

1 2 3 4 5 6 7 8 9

**Egbebasbas ki
te mat**

$$1 + 1 = 2$$

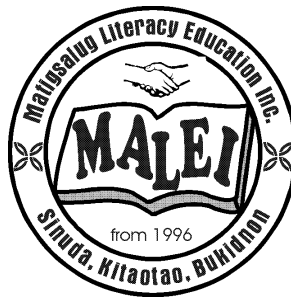
Matigsalug

Egbebasbas ki te mat

Let's practice mathematics

Ka migsulat kayi si Mrs. Margaret Hunt
wey si Mrs. Lorena Linggan

Ka miggimu te litratu si Margaret Hunt



Matigsalug Literacy Education Incorporated
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OFFICE OF THE SECRETARY
PAUNANG SALITA

Ang mga isla, kagubatan at mga kabundukan ng ating bansa ay tahanan ng iba't-ibang pamayanang kultural na ang bawat isa ay may sariling wika at kaugalian. Ang ating kultura ay mahalagang piraso ng magandang mosaik at iyan ang bansang Pilipinas.

Ang ating bansa ay mayroong utang na loob sa pamayanang kultural. Maraming panahon na ang nagdaan na ang kaugalian, wika at magandang layunin ay nakatulong sa ikauunlad ng ating makabansang pagkamamamayan. Maipagmamalaki natin ang ating pamanang Filipino habang nagkakaroon tayo ng malawak na pang-unawa sa mga kulturang ito.

Sa mga kadahilanang ito, kinakailangang mapangalagaan ang mga wika at kinaugaliang pamayanang kultural ng Pilipino. Ang aklat na ito, na nasa wika ng pamayanang kultural ay may layuning tumulong sa pangangalaga nito. Ito ay ginawa para mapaghusay ang kakayahan sa pagbasa at pag-unawa, at para palawakin pa ang kaalaman sa pamamagitan ng pagbasa sa sariling wika. Ang paraang ito ng pag-aaral sa pamamagitan ng paggamit ng unang wika ay makapagpapaangat sa sariling wika at ang pagbabasa nito ay isang kapaki-pakinabang na karanasan.

Dahil dito, labis ang pasasalamat ng sambayanang Pilipino sa Summer Institute of Linguistics (SIL) dahil sa kanilang pagsusumigasig na mapanatili at mapalaganap ang kulturang Pilipino sa pamamagitan ng babasahing ito.

Ikinararangal, kung gayon, ng Kagawaran ng Edukasyon, Kultura at Sports na ipakilala ang aklat na ito, ang pinakabagong edisyon, para mapaunlad ang karunungan bumasa't sumulat sa pamayanang kultural. Sa pagtulong sa mga kumunidad na ito, ang kabutihan ng buong bansa ay natutulungan.

Andrew Gonzalez
ANDREW GONZALEZ, FSC
Secretary

Preface

This mathematics primer, *Egbebasbas ki te mat*, has been prepared to help teach mathematics skills to speakers of the Matigsalug language in the provinces of Bukidnon, Davao, and Cotabato. It is an integral part of the *Basic Literacy Course* which consists of seventy 2½-hour lessons. The mathematics component is thirty minutes of the lesson.

This primer is designed to equip the student to do the following:

- Count and recognize numbers up to 1000 (including 0)
- Handle basic addition and subtraction
- Handle money and compute change
- Measure with a ruler
- Read analog clocks
- Handle dates
- Read analog weighing scales.

This book is designed to be used by the teacher in conjunction with a blackboard and chalk — it is not for use by the students. The other teaching equipment required is a collection of small objects such as stones or bottlecaps for counting, a tape measure, and a cardboard clock face and scale face. Students need only paper and a pencil.

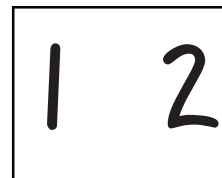
It is important that the lessons are followed consecutively as the lessons build upon each other. It is vital, especially in the early lessons, that actual objects (such as stones or bottlecaps) are used to teach the concepts of counting, adding, and subtracting rather than just abstract equations written on the blackboard. A good basic foundation will make the latter lessons much more useful.

The authors gratefully acknowledge the many ideas taken from the Tboli mathematics primer, *Hemnagi Lemilu*, published by the Summer Institute of Linguistics in 1979.

Liksiyun 1

Tuyu

Iyan tuyu kayi su eyew egpekeila wey egpakasabut ka me istudanti te numiru 1 (sabeka) wey numiru 2 (daruwa) wey te me ngaran te seini ne me numiru.



Ka eg-andamen nu diye te baley

Kuwa ka teg kalain-lain ne me panunggilingan iling te derewunen, me batu, sugpang wey duma pad. Ne uyana nu degma ka me supe te butilya, su eggamiten diye te kalasiyanan.

Egmenuwen teg panulu te liksiyun

Ka an-anayan neg gimuwen nu, angey ka te sapulun supe te butilya. Neg kataman, kua nu ka sabekan supe wey kahii nu ka me istudanti te, “Sabekan supe te butilya seini.” Nataman timuli nu te sabekan supe ka inggen-genan nu wey kahi ka te, “Daruwa ne supe te butilya seini.” Ne pabulusi nu teg iling due taman teg kaamin ka sapulun supe te butilya. Ne pamehayi nu ka me istudanti te me supe wey ipalimud nu kandan ka me supe. Te an-anayan, sabeka re ne supe. Sunud, darwua, tatelu, hep-at, wey lalimma.

Ka kaluwasan te numiru 1 wey keg menuwen teg sulat seini se “sabeka”

1. Ne kua nu ka duma ne in-andam nu daan iling te dewun, ne gen-geni nu wey ipakita nu kandan ne kahi ka te, “Sabekan dewun seini.” Ne seeye se igpapitew nu kandan, keilangan ne idruwing nu diye te bulakbud iling kayi:
2. Insei nu sikandan ke pila ne buuk ka tagse indruwing nu diyet bulakbud.



(Egtabak dan te “sabeka.”)

3. Panulua nu sikandan diye te bulakbud keg menuwen teg sulat ka numiru 1 wey ka lalag ne *sabeka*. Bebasbasi niyu langun teg sulat seini diye te kalamag. Nataman pabebasbasa nu sikandan teg sulat te numiru 1 wey ka lalag ne *sabeka* diye te pepil ran.

Ka kaluwasan te numiru 2 wey keg menuwen teg sulat seini se “daruwa”

1. Kua nud man-e ka duma ne in-andam nu daan ne iling te supe, ne gen-geni nu wey ipakita nu kandan ne kahi ka te, “Sabekan supe seini.” Nataman timuli nu te sabeka ne supe ka inggen-genan nu wey kahi ka te, “Daruwa ne supe seini.” Nataman idruwing nu diye te bulakbud ka iling kayi:



Ne kataman, basaa niyu langun seini.

2. Irisa nu ka riyet bulakbud, wey idruwing nu ka me litaratu iling kayi:



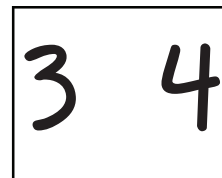
Tinurua nu ka sabeka ne grupu te indruwing nu ne insei nu sikandan ke, “Pilaa seini?” Ne isulat nu ka ansil ran diyet lenged te grupu. Neg ilingen ded kayi ka duma ne me grupu.

3. Panulua nu sikandan te, “Ka daruwa, subla sikandin te sabeka te sabeka.”
4. Tinurua nu ka me numiru ne insulat nu diye te bulakbud wey insei nu sikandan ke pila sika ne numiru.
5. Panulua nu sikandan diyet bulakbud, ke egmenuwen teg sulat ka numiru 2, wey ka lalag ne *daruwa*. Bebasbasi niyu langun teg sulat seini diyet kalamag. Nataman pabebasbasa nu sikandan teg sulat te numiru 2 wey ka lalag ne *daruwa* diyet pepil ran.

Liksiyun 2

Tuyu

Iyan tuyu kayi su eyew egpekeila wey egpakasabut ka me istudanti te numiru 3 (tatelu) wey numiru 4 (hep-at) wey te me ngaran te seini ne me numiru.



Ka eg-andamen nu diye te baley

Kuwa ka man-e te me panunggilingan.

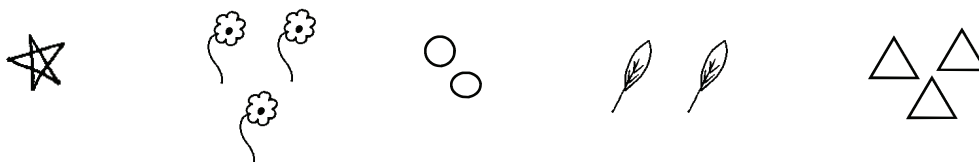
Egliberen ka miglihad ne liksiyun

Te an-anayan, libera nu ka hun-an bahin puun te liksiyun 1 iling kayi: Gamit ka te me panunggilingan wey seela niyu langun ka me panunggilingan taman te 10. Nataman palimura nu ka me istudanti te me panunggilingan, an-anayan 1, seup 2, 3, 4, wey 5.

Egmenuwen teg panulu te liksiyun

Ka kaluwasan te 3 wey keg menuwen teg sulat seini se “tatelu”

1. Ilinga nu red teg panulu ka seini te seeye se numiru 2, piru numiru 3 kuntee.
2. Ipanulu nu te me istudanti ne, “Ka tatelu, subla sikandin te sabeka te daruwa.” Ne idruwing nu diyet bulakbud ka iling kayi:
Tinurua nu ka sabeka ne grupu te indruwing nu ne insei nu sikandan ke,



“Pilaa seini?” Ne isulat nu ka me ansil ran diye lenged te me grupu.

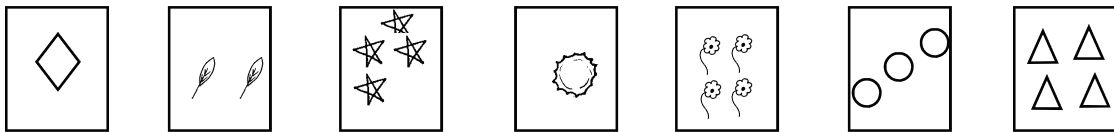
3. Panulua nu sikandan keg menuwen teg sulat ka numiru 3 wey ka lalag ne *tatelu*. Te an-anayan, isulat nu seini diyet bulakbud. Nataman bebasbasi niyu langun teg sulat ka numiru 3 diyet kalamag. Nataman pabebasbasa nu sikandan teg sulat te numiru 3 wey ka lalag ne *tatelu* diyet pepil ran.

Ka kaluwasan te 4 wey keg menuwen teg sulat seini se “hep-at”

1. Ilinga nu red teg panulu te numiru 2, piru numiru 4 e kuntee.
2. Panulua nu ka me istudanti te, “Ka hep-at, subla sikandin te sabeka te tatelu.”
3. Ne palimura nu ka me istudanti te me panungilinan iling kayi: 4 ne derewunen, 4 ne batu, 4 ne supe te butilya, 4 ne bulak.
4. Panulua nu sikandan keg menuwen teg sulat ka numiru 4 wey ka lalag ne hep-at. Ne ilinga nu red teg panulu seini te numiru 3. Ne ipasulat nu kandan ka numiru 4 wey ka lalag ne hep-at diyet pepil ran.

Ka me asaynmin dan

Idruwing nu seini diyet bulakbud. Ne paansili nu te me istudanti diye te me pepil ran ke pila ka nakatahu te tagse kehun.



Pitawa nu ka me ansil ran wey pabalbalawi nu kandan ka me sayep ne ansil ran.

Liksiyun 3

Tuyu

Iyan tuyu kayi su eyew egliberen te me istudanti ka numiru 1, 2, 3, wey 4. Ne ka igkarangeb ne tuyu kayi su eyew egpekeila ka me istudanti te numiru 5 wey ka lalag ne “lalimma”.



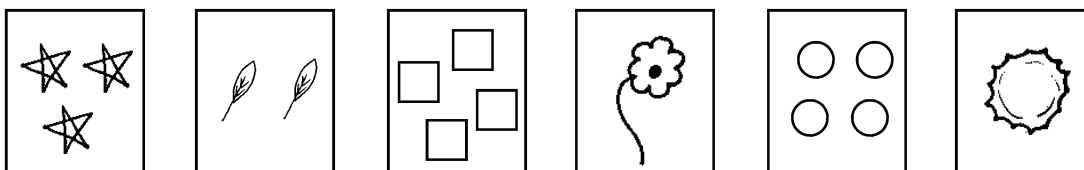
Ka eg-andamen nu diye te baley

Kua nu man-e ka me panunggilingan.

Egliberen ka miglihad ne liksiyun

Libera nu ka me numiru 1, 2, 3, wey 4 iling kayi:

1. Idruwing nu diyet bulakbud seini:



2. Tinurua nu ka sabeka ne kehun te indruwing nu ne insei nu sikandan ke, “Pilaa seini?” Nataman isulat nu ka me ansil dan diyet diralem te me kehun.
3. Tinurua nu man-e ka me numiru ne in-ansil ran ke nekey ka ngaran due ne numiru.
4. Ne isulat nu diyet bulakbud ka me lalag te me numiru 1, 2, 3, wey 4 ne iling kayi:

sabeka daruwa tatelu hep-at

Ne ipabasa nu kandan ka insulat nu.

5. Ne pabebasbasa nu ka me istudanti teg sulat diyet pepil ran te me numiru 1, 2, 3, wey 4.

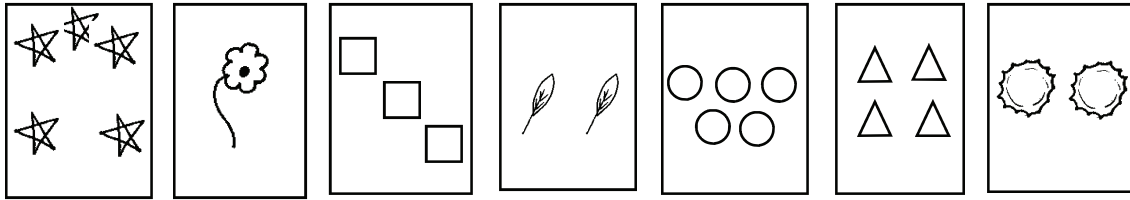
Egmenuwen teg panulu te liksiyun

Ka kaluwasan te 5 wey keg menuwen teg sulat seini se “lalimma”

1. Ilinga nu red man-e teg panulu te numiru 2, 3, wey 4, piru numiru 5 e kuntee.
2. Panulua nu ka me istudanti te, “Ka lalimma, subla sikandin te sabeka te hep-at.”
3. Padruwanga nu sikandan te lalimman grupu diyet pepil ran.
4. Panulua nu sikandan keg menuwen teg sulat ka numiru 5 wey ka lalag ne *lalimma*. Ilinga nu red man-e teg panulu teg sulat te numiru 1, 2, 3, wey 4 piru

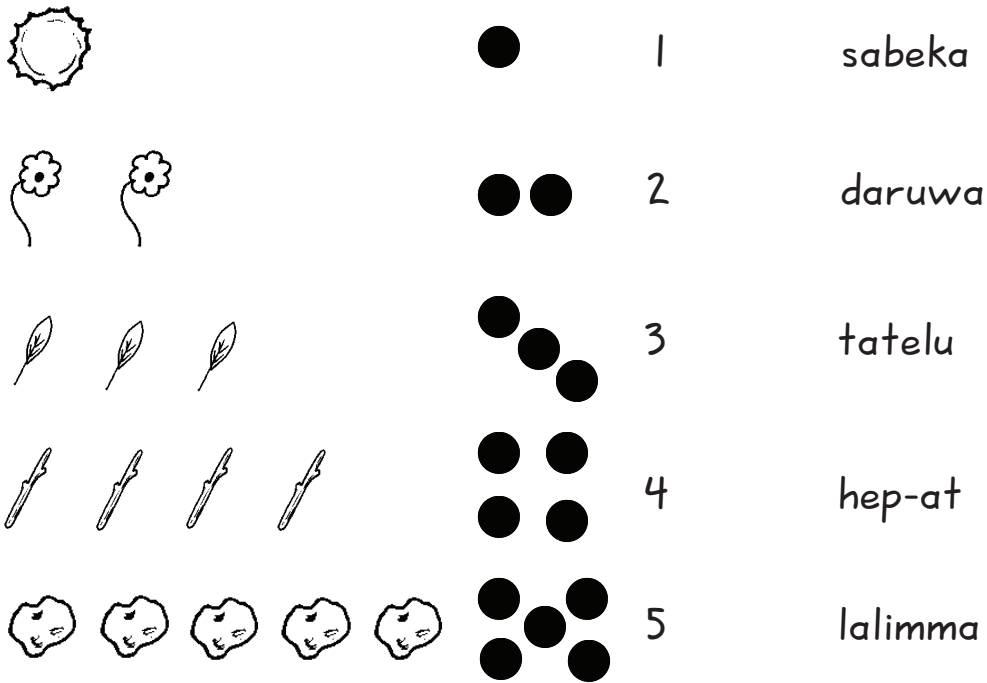
Ka me asaynmin dan

1. Idrwing nu seini diyet bulakbud:



Ne paansili nu kandan diyet pepil ran ke pila ka tahu te tagse kehun.

2. Idrwing nud man-e seini diyet bulakbud:



Liksiyun 4

Tuka

Iyan tuyu kayi ka eglibed te numiru 1, 2, 3, 4, wey 5.

Ka eg-andamen nu diye te baley

Kuwa ka man-e te me panunggilingan. Ne keilangan neg kuwa ka te me litaratu ne igpapitew nu kandan wey igpaseel ke pila ka nenekeg-iling diye te litaratu. Neg kataman, kuwa ka te me pepil neg panamperen wey panulati nu te me numiru puun te 1 peendiye te 5 piru tigsallimbeka re ne numiru ka igsulat nu te tagse pepil ne impanamped nu.

Egmenuwen teg panulu te liksiyun

1. Suhua nu ka me istudanti neg:
 - a) Kuwa te daruwa ne batu wey ipasulat nu kandan diye te me pepil ran ka numiru 2 su daruwa ma degma ka me batu ne ingkuwa ran.
 - b) Paseela nu sikandan ke pilaa ka me paa te babuy, bangku, lamisa, etew, wey дума pad.
 - c) Padruwinga nu sikandan te tatelu ne me mallibusen diye te me pepil ran.
 - d) Ipaseel nu ke pila ka diye te lawa ran. Panunggilingan ke pila ka mata, kemel wey дума pad.
 - e) Kuwa ka te tatelu ne supe te butilya wey ipasulat nu kandan diye te me pepil ran ka numiru 3.
 - f) Ipaseel nu ka nalain-lain neg kakita ran diyet litaratu ne in-uyan nu.
2. Behey ka te tatelu ne supe te butilya diyet sabekan istudanti. Ne paseela nu sikandan te me supe wey pabehayi nu ka me дума rin te daruwa ne supe. Neg kataman, ipaseel nu kandin ke pila naan de ka supe ne nasame diyet belad din.

3. Ne panlimura nu ka me supe te 1, 2, 3, 4, 5. Ne kua nu ka impanulat nu ne numiru diyet pepil wey ipepammitew nu kandan ke hendei ne numiru ka nekeg-iling wey pegsaamula nu ka nekeg-iling ne numiru.

Ne abayi niyu teg iling kayi piru gamita niyu ka miglain-lain ne me panunggilingan:



1



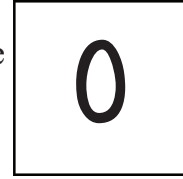
2

4. Pangngaran ka te miglain-lain ne me numiru wey ipasulat nu kandan diyet me pepil ran ka impangngaranan nu ne numiru.
5. Ne isulat nu diyet bulakbud ka numiru 1 peendiye te 5, wey ka lalag ne *sabeka*, *daruwa*, peendiye te *lalimma*. Neg kataman, ipabasa nu kandan ka insulat nu. Ne emun keg keimpusan dan e teg basa, ipasulat nu naa kandan diye te me pepil ran ka insulat nu diye te bulakbud.

Liksiyun 5

Tuyu

Iyan tuyu kayi su eyew egpekeila ran te numiru 0 wey te lalag ne “siru”. Ne ka igkarangeb ne tuyu kayi su eyew egpekeila ran te numiru neg sinundul te siru.



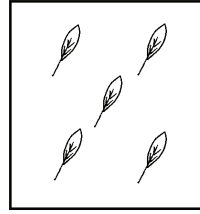
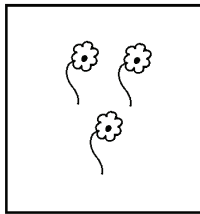
Ka eg-andamen nu diye te baley

Kuwa ka te sabekan tahuanan ne iling te basket.

Egmenuwen teg panulu te liksiyun

Ka kaluwasan te “siru” wey keg menuwen teg sulat seini se “siru”

1. Ipapitew nu te me istudanti ka tahuanan ne in-uyan nu wey insei nu sikandan ke pila ka tahu dutu. Emun keg kahi sikandan te, “ware,” ne isulat nu diyet bulakbud ka 0 wey kahii nu sikandan te, “Ware ku tahui te numiru seini su ware ma degma. Ka ngaran kayi su “siru.”
2. Ne idruwing nu seini diyet bulakbud:
Insei nu sikandan ke pila ka tahu te tagse ingkulung nu ne kehun. Ne ka ansil









ran diye nu isulat te diralem te kehun, neg kataman basaa niyu ka insulat nu.

3. Panulua nu man-e sikandan ke egmenuwen teg sulat te numiru 0 wey ka lalag ne siru. Neg kataman, ipasulat nu kandan ka seini diyet me pepil ran.

Ka egmegsinundulen ne me numiru

1. Druwing ka diyet bulakbud te iling kayi:

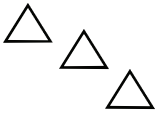
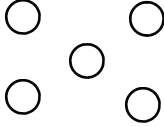
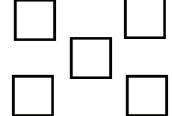
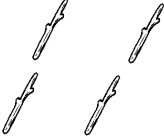


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| 4 | + | 1 | = | _____ |

2. Tengteng kew riyet bulakbud. Ka an-anayan neg pitawen niyu, sika se bulak. Ne insei nu sikandan ke pila ne bulak ka diye te gibang. Neg tabak sikandan te, “Ware.” Ne kahi ka te, “Uya, ne due siru kayi.”. Ne inse kad man-e kandan ke pila ka bulak diyet kawanan, neg tabak e man-e sikandan te “sabeka”. Ne seeye eleg ka tabak dan su duen e sabekan bulak diyet kawanan. Ne kahi ka te, “Uya, ne due sabekan insulat kayit diralem.” Neg kaayun degma neg kahi ka te, “Ware bulak neg timulan te sabekan bulak, egkeyimu ne sabeka.” Ne insei nud man-e sikandan ke pila ka numiru ne insulat diyet gibang neg tabak sikandan te, “Siru.” Ne pegtimula nu ka siru wey ka sabeka, piru egkeyimu red ne sabeka. Ne saatu-pa, ka kaluwasan te + egpegtimulen. Ne ka kaluwasan te = ka egkeyimu e. Neg kataman, basaa niyu diyet bulakbud ka seini se $0 + 1 = 1$ (siru pegtimulen te sabeka egkeyimu ne sabeka).
3. Ne pitawa niyud man-e ka me bituen. Ne insei nu ka me istudanti te, “Pila ka bituen kayit gibang? Ne pilaa degma ka bituen kayit kawanan? Ke due sabekan bituen diyet gibang wey sabekan bituen diyet kawanan, pila naa langun sikandan?” (Ne ka tabak dan 2). Ne isulat nu ka 2 diyet linya. Ne basaa niyud man-e ka me numiru ne insulat nu diyet diralem te bituen ne $1 + 1 = 2$ (sabeka pegtimulen te sabeka egkeyimu ne daruwa).
4. Pabulus ka iling kayi taman te naamin e ka langun ne me litaratu.
5. Basaa niyu langun ka me numiru ne insulat diye te me linya.

Ka me asaynmin dan

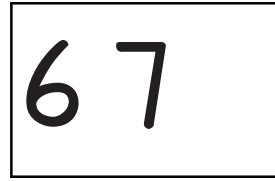
2. Idrwing nu diyet bulakbud ka iling kayi wey pasulata nu ka me istudanti diyet pepil ran ke pila ka intahu te tagse kehun:
3. Pakuriki nu te me istudanti ka me malehet ne me ansil ran.

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Liksiyun 6

Tuyu

Iyan tuyu kayi su eyew egpekeila ka me istudanti wey egpakasabut te numiru 6, 7, wey 8 duma te me lalag dan. Ne iyan man-e igkarangeb ne tuyu kayi su eyew egpakanengneng ka me istudanti te me numiru neg meg-ilingen.



Ka eg-andamen nu diye te baley

Kuwa ka te daruwa ne palatu.

Egliberen ka miglihad ne liksiyun

1. Libera nu ka me numiru 1 peendiye te 5. Ilinga nu kayi:
Isulat nu diyet bulakbud ka me lalag ne *sabeka* peendiye te *lalimma*, wey ka me numiru ne 1 peendiye degma te 5. Neg kataman, paninurua nu ka insulat nu wey ipabasa nu te me istudanti.
2. Ne ipatinuru nu te istudanti ke hendei ka lalag ne nekegiling te numeral ne ikahi nu kandan ka numiru?

Egmenuwen teg panulu te liksiyun

Ka kaluwasan te me numiru 6 peendiye te 8, wey keg menuwen teg sulat seini.

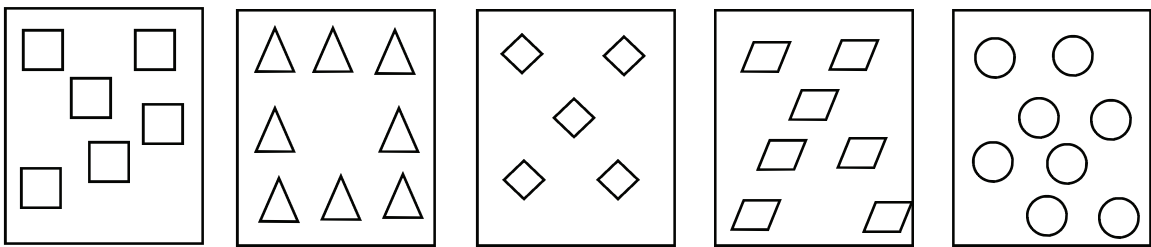
1. Ilinga nu red teg panulu te 1 peendiye te 5 te seini se numiru 6 peendiye te 8 duma te me lalag dan.
2. Ne panulua nu degma sikandan keg menuwen teg sulat te numiru 6 peendiye te 8 wey ka lalag dan. Neg kataman, pabebasbasa nu sikandan diyet me pepil ran.
3. Ne panulua nu sikandan te:
“Ka hen-em, subla sikandin te sabeka te lalimma.”
“Ka pitu, subla sikandin te sabeka te hen-em.”
“Ka walu, subla sikandin te sabeka te pitu.”
4. Ne panulua nud man-e sikandan te:
“Ke due lalimma ne egpegtimulen te sabeka, egkeyimu e ne hen-em.”
“Ke due hen-em ne egpegtimulen te sabeka, egkeyimu e ne pitu.”
“Ke due pitu ne egpegtimulen te sabeka, egkeyimu e ne walu.”
5. Insei nu sikandan te me inse ne insulat kayi te diralem piru kene nu patabaka sikandan keg inse ka su ipasulat nu re diyet pepil ran ka ansil:
“Pilaa ka me anak niyu?”
“Pilaa ka me babuy niyu?”
“Pilaa ka me anak niyu ne me lukes?”
“Pilaa ka me anak niyu ne me malitan?”
“Pilaa ka me ikam niyu?”
“Pilaa ka me ulesen niyu?” wey himu ke pa te duman inse.

Egpeg-iling te me numiru

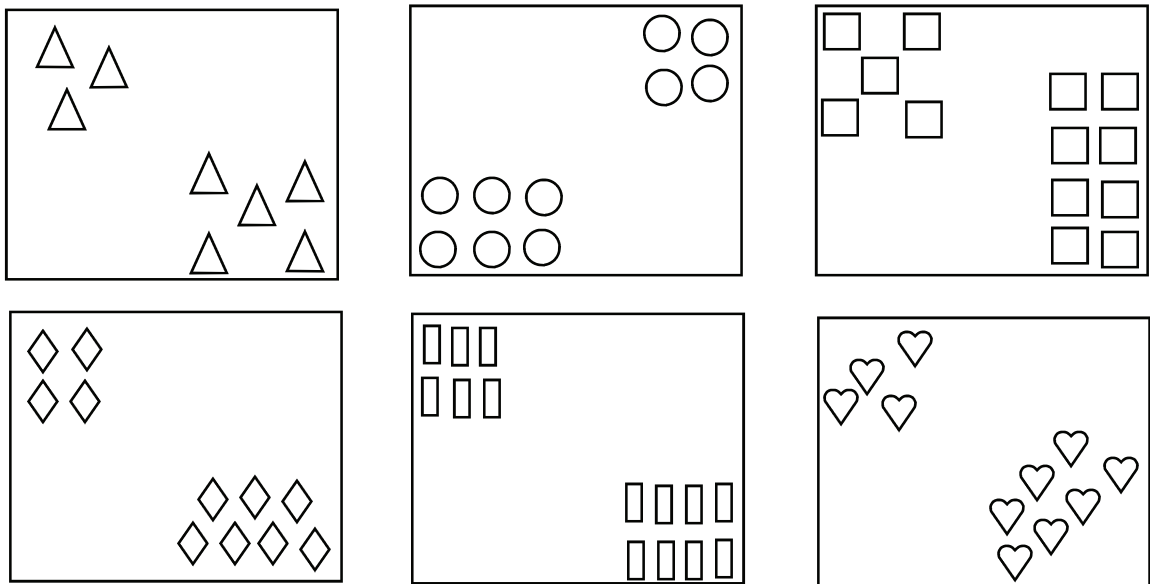
1. Kua nu ka palatu ne in-uyan nu wey tahu nu te me supe, piru keilangan ne masalig ka igitahu nu diyet sabekan palatu. Ne insei nu sikandan teg ilingen kayi: “Hendei ne palatu ka due masalig ne me supe?”
2. Tahu nu te tatelu ne supe ka sabekan palatu, piru ka sabekan palatu, lalimma re ka igitahu nu ne supe. Neg kataman, seela niyu man-e ka impanahu te me palatu. Ne emun keg pekeimpus kew e, insei nud man-e sikandan ke hendei ka masalig se supe ne palatu. Wey insei nu man-e sikandan ke hendei ka dakel, ka tatelu naa wey ke lalimma naa?
3. Ne pabulusi nu pa teg iling kayi piru gamit ka te me duman numiru iling te 4, 5, 6, 7, wey 8.

Ka me asaynmin dan

1. Idruwing nu seini diyet bulakbud wey paansili nu te me istudanti ke pila ka tahu te tagse kehun:



2. Ne idruwing nu man-e seini diyet bulakbud:



Ne ipasulat nu te me istudanti ke hendei ka masulug se intahu diyet tagse sabekan kehun.

3. Pakuriki nu te me istudanti ka me malehet ne me ansil ran.

Liksiyun 7

Tuyu

Iyan tuyu kayi su eyew egpekeila ka me istudanti te numiru 9 wey 10. Ne ka igkarangeb ne tuyu kayi su eyew egkateu sikandan keg menuwen teg pegsinundul ka me numiru iling te: 0, 1, 2, 3, 4, ...



Ka egandamen nu diye te baley

Kuwa ka te me pepil wey tampera nu wey sulati nu te me numiru neg puun te 0 peendiye te numiru 10 iling kayi:



Egliberen ka miglihad ne liksiyun

1. Isulat nu seini diyet bulakbud:

| | | | | | |
|--------|---|---------|---|------|---|
| sabeka | 1 | pitu | 7 | siru | 0 |
| hep-at | 4 | tatelu | 3 | | |
| walu | 8 | hen-em | 6 | | |
| daruwa | 2 | lalimma | 5 | | |

Ne ipabasa nu naa te me istudanti seini. Ne emun ke due me numiru ne kene dan pad amanag katuenan, keilangan neg liberen nu taman teg katuenan dan e.

2. Pakua nu sikandan te me pepil ran wey ipasulat nu kandan ka iglalag nu ne me numiru puun te 1 peendiye te 8.
3. Neg kataman, sulat kad e man-e te lain ne numiru diyet bulakbud tigdaruwa re ne numiru ne iling kayi:

4 7

Ne ipasulat nu naa kandan ke hendei ka dakel ne numiru te seeye se numiru ne insulat nu te bulakbud. Gamit ka te дума ne me numiru neg ilingen nu kayi piru keneg ginguma te 9 ne numiru.

Egmenuwen teg panulu te liksiyun

Ka kaluwasan te numiru 9 wey 10 wey ka me lalag dan

1. Ilinga nu red teg panulu te numiru 1 peendiye te 8 te seini se numiru 9 wey 10 дума te me lalag dan.
2. Ne ipanulu nu red man-e kandan keg menuwen teg sulat ka numiru 9 wey 10, wey ka me lalag dan keg menuwen degma. Ne pabebasbasa nu sikandan diyet me pepil ran.
3. Ne panulua nu man-e sikandan te:
“Ka siyew, subla sikandin te sabeka te walu.”
“Ka sapulu, subla sikandin te sabeka te siyew.”
4. Ne ipanulu nu degma kandan ka:
“Ke due walu ne pegtimulen te sabeka, egkeyimu e ne siyew.”
“Ke due siyew ne pegtimulen te sabeka, egkeyimu e ne sapulu.”

Ka egmegsinundulen ne me numiru

1. Isulat nu seini se me numiru diyet bulakbud:

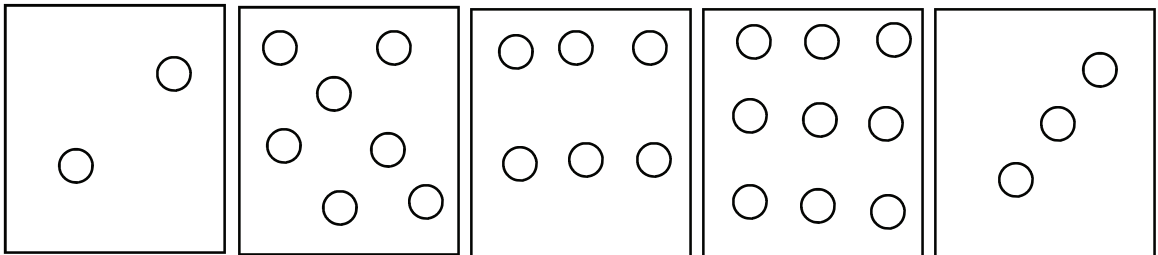
7 3 10 8 9 0 2 1 6 4 5

Ne pabulig ka te istudanti neg sulat te me numiru neg bunsud te kinareisekan peendiye te kinarakelan ne numiru. Emun keg keimpusan niyud, himu kew e man-e teg bunsud te kinarakelan peendiye te kinareisekan.

2. Kua nu ka impanulatan nu te me numiru ne ipamehey nu te me istudanti ne tigsalimbeka. Nataman ipalinya nu ka me istudanti neg bunsud te kinareisekan peendiye te kinarakelan ne numiru.
3. Emun keg kateu e sikandan neg megsinundul te me numiru, insei nud man-e sikandan ke nekey ne numiru kag kasinundulan te tatelu wey egkasinundulan te hep-at, wey ka egpakasinundul te hep-at wey te duma pad man-e ne me numiru.

Ka me asaynmin dan

1. Idrwing nu seini diyet bulakbud:



Paansila nu sikandan ke pilaa ka me malibusen ne diye te tagse kehun.

2. Ne isulat nu man-e seini diyet bulakbud:

5 0 6 10 9 3 1 8 7 4 2

Paansili nu naa te me istudanti seini te egmegsinundulen ne numiru neg bunsud te kinareisekan peendiye te kinarakelan ne numiru.

3. Ne isulat nud e man-e seini diyet bulakbud:

2 7 0 9 8 1 3 10 5 6 4 2

Ne paansilii nu naa kandan seini diyet me pepil ran neg megsinundulen ded man-e piru egbunsud te kinarakelan peendiye te kinareisekan.

4. Ne pasulata nud man-e ka me istudanti te me numiru diyet me pepil ran neg bunsud te 0 peendiye te 10.
5. Pakuriki nu te me istudanti ka me malehet ne me ansil ran.

Liksiyun 8

Tuyu

Iyan tuyu kayi kag libed te langun ne me numiru puun te 0 peendiye te 10.

Ka eg-andamen nu diye te baley

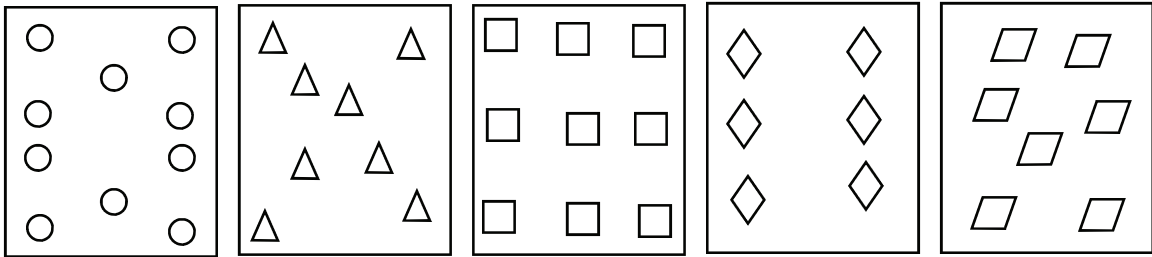
Kua nu ka impanulatan nu te me numiru ne puun te liksiyun 7.

Egmenuwen teg panulu te liksiyun

1. Ipapitew nu te me istudanti ka me pepil ne impanulatan nu te me numiru wey panginsei nu sikandan ke nekey ne numiru sika se nasulat.
2. Pakua nu ka me istudanti te pepil wey ipasulat nu kandan ka me numiru neg ngaranan nu neg puun te 0 peendiye te 10.
3. Pasulata nu ka me istudanti te me numiru neg bunsud te 0 peendiye te 10. Neg bunsud e man-e te numiru 10 peendiye te 0.
4. Emun keg pekeimpus e sikandan, ipabasa nu naan e kandan ka insulat dan neg puun te 0 peendiye te 10.
5. Pakua nu ka me istudanti te me pepil ran wey ipasulat nu ka numiru neg ngaranan nu wey keilangan ne tagse numiru neg ngaranan nu, egdruwing sikandan te mallibusen neg pekeiling ka ansil te numiru ne ingaranan nu.

Ka me asaynmin dan

1. Idrwing nu seini diyet bulakbud:



Ne paansili nu kandan ke pila ka tahu te tagse kehun.

2. Isulat nu seini ne me numiru diyet bulakbud wey paansili nu te me istudanti ka inlaag nu ne me numiru:

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|----|
| 0 | 1 | 2 | — | — | 5 | — | 7 | — | — | 10 |
| 0 | — | 2 | — | 4 | — | 6 | — | — | 9 | — |

3. Isulat nu seini se me numiru diyet bulakbud wey padruwinga nu sikandan te malibusen diyet pepil ran neg ilingen kayi:

Panunggilingan: 8 = O O O O O O O O

Seini kag ansilan dan:

- 2
- 6
- 4
- 7

4. Ne pasulata nud man-e sikandan te numiru 0 peendiye te 10.

5. Pakuriki nu te me istudanti ka me malehet ne me ansil ran.

Liksiyun 9

Tuyu

Iyan tuyu kayi su eyew egkateu ka me isutdanti te me numiru neg megsinundulen.

Ka eg-andamen nu diye te baley

Kuwa ka teg kalain-lain ne me panunggilingan. Ne kuwa ka man-e te me pepil ne panampera nu wey panulati nu te mallibusen neg pekeiling kayi:



Egliberen ka miglihad ne liksiyun

1. Pakua nu man-e ka me istudanti te me pepil ran wey ipasulat nu kandan ka me numiru neg ngaranan nu puun te “0” peendiye te “10”, piru megsewuha nu ka me numiru neg ngaranan nu.
2. Ne kua nu ka me panunggilingan ne in-andam nu wey ipapitew nu kandan ka tagse grupu te me panunggilingan. Piru keilangan neg keelin ka sabekan grupu. Iling te sabekan grupu, keilangan ne dewun, ne ka sabeka, batu. Ne paansili nu naa kandan ke pilaa ne buuk ka impapitew nu kandan.
3. Ne ipapitew nud man-e kandan ka pepil ne in-andam nu daan wey paansila nu sikandan diyet me pepil ran ke pila ka mallibusen ne nakita ran.

Egmenuwen teg panulu te liksiyun

Ka egmagsinundulen ne me numiru

1. Idrwing nu seini diyet bulakbud:

| | | | | | |
|------|---|---|--|---|---|
| 0 | + | ○ | | = | |
| ● | | ○ | | | — |
| 1 | + | ○ | | = | — |
| ●● | | ○ | | | — |
| 2 | + | ○ | | = | — |
| ●●● | | ○ | | | — |
| 3 | + | ○ | | = | — |
| ●●●● | | ○ | | | — |
| 4 | + | ○ | | = | — |

Ne ipabulus nu kag ilingen kayi taman te numiru 10.

2. Kahii nu ka me istudanti te, “Egseelen ta ka mallibusen ne insulat ku kayi te bulakbud. Ne pitawa niyu kayi te dibabew ke pila ka meitem ne mallibusen. Ne ke ware malibusen, neg timulan te sabeka, pila naan e langun sikandan? (Ka ansil ran, “sabeka”.) Ne basaa niyu ka numiru ne insulat diyet diralem te malibusen: $0 + 1 = 1$.

3. Ne pabulus ka te duma.

Pilaa ka mallibusen ne meitem? (1). Ne pilaa ka maangkag ne mallibusen? (1). Ne pilaa langun sikandan? (2) Ne seini se numiru 2, isulat nu diyet linya su seini ka ansil. Neg kataman, basaa niyu ka insulat diye te diralem te mallibusen. $1 + 1 = 2$. (Sabeka ne pegtimulan te sabeka, egkeyimu e ne daruwa.)

4. Pabulusi nu teg iling kayi taman teg kaamin e ka mallibusen. Neg kataman, basaa niyu langun ka me numiru neg bunsud diyet dibabew neg peendiyet diralem: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10.

Ka me asaynmin dan

1. Idrawing nu seini diyet bulakbud:

| | | | | |
|------|---|---|---|-----|
| | | ○ | | |
| 0 | + | | = | ___ |
| ● | | ○ | | |
| 1 | + | | = | ___ |
| ●● | | ○ | | |
| 2 | + | | = | ___ |
| ●●● | | ○ | | |
| 3 | + | | = | ___ |
| ●●●● | | ○ | | |
| 4 | + | | = | ___ |

Paansili nu seini te me istudanti diyet pepil ran.

2. Ne isulat nu seini diyet bulakbud:

| | | | | |
|---|---|--|---|-----|
| 7 | + | | = | ___ |
| 9 | + | | = | ___ |
| 3 | + | | = | ___ |
| 5 | + | | = | ___ |
| 6 | + | | = | ___ |
| 4 | + | | = | ___ |
| 8 | + | | = | ___ |

Paansili nu seini te me istudanti diyet pepil ran.

3. Pakuriki nu te me istudanti ka me malehet ne me ansil ran.

Liksiyun 10

Tuyu

Iyan tuyu kayi su eyew egkateu e ka me istudanti neg megtimul te me numiru.

Ka eg-andamen nu diye te baley

Kuwa ka te lain ne me panunggilingan ne iling te me kasile, sahing, wey sugpang.

Egliberen ka miglihad ne liksiyun

1. Pasulata nu sikandan te numiru neg bunsud te 0 peendiye te 10. Ne ipabunsud nud e man-e te numiru 10 peendiye te 0.
2. Idruwing nu seini diyet bulakbud wey paansili nu kandan ne igpalalag de.

$$0 + 1 = \underline{\quad}$$

$$6 + 1 = \underline{\quad}$$

$$5 + 1 = \underline{\quad}$$

$$7 + 1 = \underline{\quad}$$

Egmenuwen teg panulu te liksiyun

1. Diye te belad nun limang, gen-gen ka te daruwan sahing. Ne diye te limang ne belad nu man-e, gen-gen ka te tatelu ne sahing. Ne insei nu sikandan ke pila ka sahing te tagse belad nu. Neg kataman, pegtimula nu ka sahing wey insei nu sikandan ke pila langun ka sahing ne pinegtimul nu. Ne emun keg pekeimpus kew e, ilingan ded man-e kayi ka дума ne me panunggilingan ne in-andam nu.

Ke due 1 neg pegtimulen te 1, pilaa langun?

Ke due 2 neg pegtimulen te 2, pilaa langun?

Ke due 4 neg pegtimulen te 1, pilaa langun?

Ke due 5 neg pegtimulen te 0, pilaa langun?

Ke due 2 neg pegtimulen te 1, pilaa langun?

Ke due 1 neg pegtimulen te 2, pilaa langun?

Ke due 1 neg pegtimulen te 3, pilaa langun?

Ke due 2 neg pegtimulen te 3, pilaa langun?

Ke due 3 neg pegtimulen te 1, pilaa langun?

Ke due 1 neg pegtimulen te 4, pilaa langun?

2. Panulua nu sikandan te ka kaluwasan te “ + ” su egpegtimulen.

3. Iling nu ka me panunggilingan ne diyet kewun-aan ganna, piru egkaayun degma neg gamiten nu ka iling kayi ne me panunggilingan:

$$2 (\text{sahing}) + 3 (\text{sahing}) = 5 (\text{sahing}) \quad (2 + 3 = 5)$$

$$3 (\text{supe}) + 1 (\text{supe}) = 4 (\text{supe}) \quad (3 + 1 = 4)$$

Ne pabulus ke pa te duman numiru neg ilingen nu kayi.

4. Idrwing nu seini diyet bulakbud wey pabulig ka te me istudanti neg ansil kayi:

$$\begin{array}{c} \text{flower} \\ | \end{array} + \begin{array}{c} \text{flower} \text{ flower} \\ | \quad | \end{array} = \underline{\quad} \quad \begin{array}{c} \text{sun} \\ | \end{array} + \begin{array}{c} \text{sun} \text{ sun} \text{ sun} \\ | \quad | \quad | \end{array} = \underline{\quad}$$

$$\begin{array}{c} \text{leaf} \\ | \end{array} + \begin{array}{c} \text{leaf} \\ | \end{array} = \underline{\quad}$$














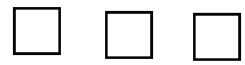
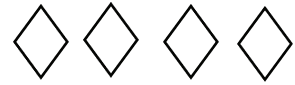
5. Ne baseyi nu sikandan kayi:

“Miggendiye si Ardu te palingki su egbebeli te me prutas. Migbeli sikandan te daruwa ne kapayas diyet sabekan tindaan, ne diye te dangeb ne tindaan, nakabeli rin te tatelu ne kapayas. Ne pilaa naan e langun ka kapayas ne nabeli rin?”

Ka me asaynmin dan

1. Idrwing nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

2. Pakuriki nu te me istudanti ka me malehet ne me ansil ran.

| | | |
|---|---|---|
|   $2 + 3 = \underline{\quad}$ |   $3 + 1 = \underline{\quad}$ |   $1 + 3 = \underline{\quad}$ |
|  $5 + 0 = \underline{\quad}$ |   $2 + 3 = \underline{\quad}$ |   $1 + 3 = \underline{\quad}$ |
|   $2 + 2 = \underline{\quad}$ |  $3 + 0 = \underline{\quad}$ |  $0 + 4 = \underline{\quad}$ |

Liksiyun 11

Tuyu

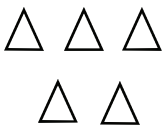


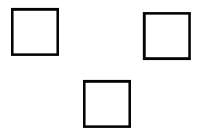
Iyan tuyu kayi su eyew egkateu wey egpakanengneng ka me istudanti te minsan egpegbaliyungen wey egpegsaliyuwen ka me numiru, piru egpekeg-iling ded ka ansil. Ne ka igkarangeb ne tuyu kayi su eyew egkateu ran wey egpakanengneng dan te egkaayun ne iyan iggun-a igsulat ka ansil, ne henduen pad igsulat ka egpegtimulen ne me numiru.

Ka eg-andamen nu diye te baley

Kuwa ke red man-e te me panunggilingan ne iling te kasile, sugpang, wey ke due duma, ne uyan ke red man-e te daruwa ne palatu.

Egliberen ka miglihad ne liksiyun

Idruwing nu seini diyet bulakbud wey paansili nu naa te me istudanti:

| | | | |
|--|--|---|--|
|  $3 + 2 = \underline{\quad}$ |  $0 + 4 = \underline{\quad}$ |  $4 + 1 = \underline{\quad}$ |  $2 + 1 = \underline{\quad}$ |
|--|--|---|--|

Egmenuwen teg panulu te liksiyun

Egmegsaliyuwen ka me numiru

- Te an-anayan, itahu nu ka daruwan sahing diyet palatu. Ne insei nu sikandan ke pila sika? Ne tahui nud man-e tatelu ne sahing diyet sabekan palatu wey insei nud man-e sikandan ke pila sika?. Ne pegtimulan naan e ka sahing ne diyet daruwan palatu wey insei nu sikandan ke pila sika langun? Ne weila nu man-e, tahui nu ka an-anayan ne palatu te tatelu ne sahing, ne ka igkarangeb daruwa. Ne insei nud e man-e sikandan iling te in-inse nu kandan ganna, neg kataman, pegtimula nud man-e ka sahing.
- Ne meglalahey ke naan pa due wey isulat nud man-e seini diyet bulakbud:

| | |
|-------------|-------------|
| $2 + 3 = 5$ | $3 + 2 = 5$ |
|-------------|-------------|
- Panulua nu sikandan te ka 2 wey ka 3, egkaayun neg pegbaliyungen nu, egkaayun ne iyan nu iggun-a ka 3, neg kaayun degma ne iyan nu iggun-a ka 2, piru ispurtanti neg pekeg-iling ded ka ansil ne 5.
- Ne ilinga niyu naa seini teg ansil te seika te dibabew:

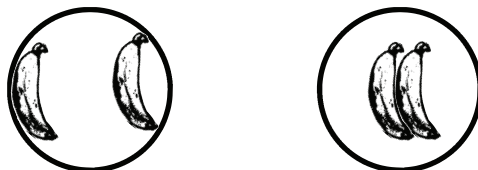
| | |
|-----------------------------|-----------------------------|
| $1 + 4 = \underline{\quad}$ | $4 + 1 = \underline{\quad}$ |
| $0 + 5 = \underline{\quad}$ | $5 + 0 = \underline{\quad}$ |
| $2 + 1 = \underline{\quad}$ | $1 + 2 = \underline{\quad}$ |

Ne timulin pa man-e seini te duman numiru neg ilingen due.

Egpegbaliyungen ka me ansil

1. Kuwa ka te sabekan palatu wey tahu nu te daruwan sahing piru egpegdiyuen. Ne kuwa kad man-e te sabekan palatu wey tahu nu te daruwan sahing piru pegdaniya nu teg tahu. Ne panulua nu sikandan te seini se daruwan palatu, nekeg-iling ded ka ansil ran. Iling kayi:

2. Ne isulat nu diyet



$$1 + 1 = 2$$

bulakbud ka $1 + 1 = 2$.

3. Libera nu ka iling due piru pegsaliyuwa nu ka me sahing su eyew egkeiling e kayi:
 $2 = 1 + 1$ Ne isulat nu seini diyet bulakbud.
4. Libera nu kag ilingen kayi piru gamit ka teg kalain-lain ne me numiru:

$$\begin{array}{rclcl} 2 & + & 1 & = & 3 & & 3 & = & 1 & + & 2 \\ 2 & + & 3 & = & 5 & & 5 & = & 3 & + & 2 \\ 3 & + & 1 & = & 4 & & 4 & = & 3 & + & 1 \end{array}$$

Himu ke pa te iling ded kayi.

Ka me asaynmin dan

1. Idruwing nu seini diyet bulakbud wey paansili nu kandan diyet pepil ran:
2. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet pepil ran:

$$\begin{array}{rclcl} 3 & + & 2 & = & \underline{\quad} & & 2 & + & 3 & = & \underline{\quad} \\ 4 & + & 1 & = & \underline{\quad} & & 1 & + & 4 & = & \underline{\quad} \\ 0 & + & 5 & = & \underline{\quad} & & 5 & + & 0 & = & \underline{\quad} \\ 2 & + & 1 & = & \underline{\quad} & & 1 & + & 2 & = & \underline{\quad} \end{array}$$

3. Ne idruwing nu man-e seini diyet bulakbud wey paansili nu red kandan:

$$\begin{array}{rclcl} 1 & + & 1 & = & \underline{\quad} & & 4 & + & 1 & = & \underline{\quad} \\ 0 & + & 2 & = & \underline{\quad} & & 5 & + & 0 & = & \underline{\quad} \\ 2 & + & 2 & = & \underline{\quad} & & 2 & + & 1 & = & \underline{\quad} \end{array}$$

4. Pakuriki nu ka me malehet ne me ansil ran.

$$\begin{array}{rclcl} 4 & + & 1 & = & \underline{\quad} & & 1 & + & 4 & = & \underline{\quad} \\ 3 & + & 2 & = & \underline{\quad} & & 2 & + & 3 & = & \underline{\quad} \\ 3 & + & 1 & = & \underline{\quad} & & 1 & + & 3 & = & \underline{\quad} \\ 2 & + & 1 & = & \underline{\quad} & & 1 & + & 2 & = & \underline{\quad} \end{array}$$

Liksiyun 12

Tuyu

Iyan tuyu kayi su eyew egkatimulan ka katuenan dan meytenged teg pegtimulen ne me numiru.

Ka eg-andamen nu diye te baley

Kuwa kad man-e teg kalain-lain ne me panunggilingan.

Egliberen ka miglihad ne liksiyun

Isulat nu seini diyet bulakbud wey paansili nu kandan ne igpalalag de:

$$\begin{array}{rclclcl} 2 & + & 1 & = & \underline{\quad} & 1 & + & 2 & = & \underline{\quad} \\ 4 & + & 0 & = & \underline{\quad} & 0 & + & 4 & = & \underline{\quad} \\ 3 & + & 2 & = & \underline{\quad} & 2 & + & 3 & = & \underline{\quad} \\ \underline{\quad} & = & 5 & + & 0 & \underline{\quad} & = & 2 & + & 2 \\ \underline{\quad} & = & 4 & + & 1 & \underline{\quad} & = & 2 & + & 3 \\ \underline{\quad} & = & 3 & + & 1 & \underline{\quad} & = & 0 & + & 3 \end{array}$$

Egmenuwen teg panulu te liksiyun

a. Te an-anayan, basei nu sikandan te seini ne me guhuren:

a) Due daruwan sahing ni Wanitu, ne tatelu degma ne sahing ka diye te hari rin ne si Jun. Ne pilaa langun ka sahing ne diyet kandan?

Ne isulat nu diyet bulakbud ka:

$$\begin{array}{c} \bullet \bullet \quad \bullet \bullet \bullet \\ 2 \quad + \quad 3 \quad = \quad \underline{\quad} \end{array}$$

b) Due diyulin ni Nisan ne hep-at, piru ka kakey rin ne si Urdu, ware kandin ne diyulin. Ne pilaa langun ka me diyulin dan? Isulat nu diyet bulakbud ka:

$$\begin{array}{c} \bullet \bullet \bullet \bullet \\ 4 \quad + \quad 0 \quad = \quad \underline{\quad} \end{array}$$

2. Ne kuwa kad man-e te supe te butilya ne tatelu, ne kahii nu sikandan te, “Egkeupian ka neg keyimun lalimma ka me supe. Ne pila naan pad ka supe ne igtimul ku kayi te supe ne inggen-genan ku?” (2)

Ne idruwing nu seini diyet bulakbud:

$$\begin{array}{c} \text{☀} \text{☀} \text{☀} \quad \text{☀} \text{☀} \text{☀} \text{☀} \text{☀} \\ 3 \quad + \quad \underline{\quad} \quad = \quad 5 \end{array}$$

3. Libera nu kag ilingen due, piru seini ka egmegtimulen:

$$\begin{array}{rclclcl}
 4 & + & \underline{\quad} & = & 5 & & 2 & + & \underline{\quad} & = & 4 \\
 2 & + & \underline{\quad} & = & 5 & & 0 & + & \underline{\quad} & = & 5 \\
 4 & + & \underline{\quad} & = & 4 & & 2 & + & \underline{\quad} & = & 3 \\
 1 & + & \underline{\quad} & = & 5 & & 5 & + & \underline{\quad} & = & 5
 \end{array}$$

4. Ne kuwa kad man-e te me supe wey guhuri nu sikandan te seinin guhuren:
 “Due daruwan lukes neg ngaran ki Rumi wey si Arilyu. Ne due lalimma langun ne me supe, piru ingkuwa ni Rumi ka hep-at ne supe. Ne pila naa ka supe ne diyet ki Arilyu?”
 Ne idruwing nu seini diyet bulakbud:

$$\begin{array}{c}
 \bullet \bullet \bullet \bullet \quad \bullet \bullet \bullet \bullet \bullet \\
 \underline{\quad} + 4 = 5
 \end{array}$$

5. Ne timuli nu ka iling kayi neg gimuwen wey keilangan neg bunsud ka te me guhuren.
 Neg kataman, idruwing nu ka me purma diyet bulakbud wey ka me numiru degma.

Ka me asaynmin dan

- a. Basei nu sikandan te seinin me guhuren wey paansili nu kandan diyet me pepil ran:
- Due daruwan mangga ni Inday, ne si Mirlita, tatelu ka kandin ne mangga. Ne pila langun ka me mangga ran? ($2 + 3 = \underline{\quad}$)
 - Hep-at langun ka nalibulung ne me niyug enni Lulit wey ni Nining. Piru ka diyet ki Lulit ne niyug su daruwa. Ne pila naa ka niyug ne diyet ki Nining? ($4 = 2 + \underline{\quad}$)
 - Due sabekan sahing ni Tani, piru egkeupian din te hep-at langun ne sahing. Ne pila naan de ka sahing ne igtimul rin? ($1 + \underline{\quad} = 4$)
2. Isulat nu seini diyet bulakbud wey paansila nu sikandan:

$$\begin{array}{rclclcl}
 0 & + & 5 & = & \underline{\quad} & & 5 & + & 0 & = & \underline{\quad} \\
 1 & + & 4 & = & \underline{\quad} & & 4 & + & 1 & = & \underline{\quad} \\
 2 & + & 3 & = & \underline{\quad} & & 3 & + & 2 & = & \underline{\quad} \\
 \\
 1 & + & \underline{\quad} & = & 3 & & 0 & + & \underline{\quad} & = & 4 \\
 2 & + & \underline{\quad} & = & 4 & & 1 & + & \underline{\quad} & = & 2 \\
 0 & + & \underline{\quad} & = & 3 & & 3 & + & \underline{\quad} & = & 3 \\
 \\
 \underline{\quad} & = & 2 & + & 4 & & \underline{\quad} & = & 3 & + & 4 \\
 \underline{\quad} & = & 4 & + & 4 & & \underline{\quad} & = & 2 & + & 3 \\
 \underline{\quad} & = & 0 & + & 1 & & \underline{\quad} & = & 3 & + & 4
 \end{array}$$

3. Pakuriki nu kandan ka me malehet ne me ansil.

Tambag te talagpanulu te liksiyun

Ke due sabekan istudanti ne keneg pakaansil te me asaynmin din, kene ka egdiritsu egbehey kandin te ansil su pangabangi nu re keg menuwen teg ansil. Gamiti nu te me panunggilingan sikandin taman teg pakasabut din e. Emun ke me istudanti re kag pammitew te me ansil, egpakanengneng ki te kene dan mahaan egkalingawan ke immenu ran teg ansil.

Liksiyun 13

Tuyu

Iyan tuyu kayi su eyew egkatimulan ka natuenan dan meytenged teg pegtimulen ne me numiru. Ne ipamimuriyas nu kandan ka me numiru neg megtimulen puun te 1 taman te 5 re ka ansil.

Ka eg-andamen nu diye te baley

Kuwa ka man-e te lain ne me panunggilingan. Ne kuwa ka te me pepil neg panamperen nu neg panulatan te me numiru neg pegtimulen neg puun te 1 peendiye te 5 ka ansil.

Iling kayi kag gimuwen nu:

| | | | | | | | | | |
|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0 +1 | 0 +2 | 0 +3 | 0 +4 | 0 +5 | 1 +0 | 1 +1 | 1 +2 | 1 +3 | 1 +4 |
| 4 +1 | 5 +0 | 2 +0 | 2 +1 | 2 +2 | 2 +3 | 3 +0 | 3 +1 | 3 +2 | 4 +0 |

Egliberen ka miglihahad ne liksiyun

Isulat nu seini diyet bulakbud wey paansili nu kandan:

$$\begin{array}{rclcl}
 1 & + & \underline{\quad} & = & 3 & \quad & 0 & + & \underline{\quad} & = & 4 \\
 2 & + & \underline{\quad} & = & 4 & \quad & 1 & + & \underline{\quad} & = & 2 \\
 0 & + & \underline{\quad} & = & 3 & \quad & 2 & + & \underline{\quad} & = & 3 \\
 \\
 \underline{\quad} & = & 1 & + & 5 & \quad & \underline{\quad} & = & 5 & + & 5 \\
 \underline{\quad} & = & 0 & + & 4 & \quad & \underline{\quad} & = & 3 & + & 4 \\
 \underline{\quad} & = & 1 & + & 4 & \quad & \underline{\quad} & = & 2 & + & 3
 \end{array}$$

Egmenuwen teg panulu te liksiyun

- Ne pangguhuri nu man-e sikandan te guhuren ne iling kayi:
Nakabeli si Litu te sabekan pakit te magi, ne si Amil ka alukuy rin, nakabeli te tatelu ne pakit te magi. Ne pila naan e langun ka magi ran te daruwa? ($1 + 3 = 4$)
- Panulua nu man-e sikandan teg kaayun neg sulat teg ilingen kayi:

$$1 \quad + \quad 3 \quad = \quad 4 \qquad \qquad \begin{array}{r} 1 \\ +3 \\ \hline 4 \end{array}$$

- Libera nu ka iling kayi piru gamit ka te duman me panunggilingan wey isulat nu

$$\begin{array}{r} 2 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +0 \\ \hline \end{array}$$

seini

diyet bulakbud iling kayi:

4. Isulat nu man-e diyet bulakbud ka iling kayi wey bulihi nu sikandan teg ansil:

| | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|
| 1 | 2 | 0 | 0 | 1 | 2 |
| $\frac{+}{3}$ | $\frac{+}{4}$ | $\frac{+}{3}$ | $\frac{+}{4}$ | $\frac{+}{2}$ | $\frac{+}{3}$ |
| = | = | = | = | = | = |
| $\frac{+3}{4}$ | $\frac{+1}{1}$ | $\frac{+3}{4}$ | $\frac{+3}{3}$ | $\frac{+2}{2}$ | $\frac{+4}{4}$ |

5. Ne kua nu ka pepil ne in-andam nu daan. Ne sallimbekaa nu teg papitew kandan ka seeyen me pepil su eyew egkamimuriyas dan. (Dasiha nu sikandan neg pabebasbasen diyet baley ran keg menuwen teg pegtimul ka me numiru su eyew egmasiyapat dan e neg ansil.)

Ka me asaynmin dan

4. Isulat nu seini diyet bulakbud wey paansili nu kandan:

5. Kene nu egkalingawi neg pakurikan kandan ka malehet ne me ansil ran.

| | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|
| 2 | 4 | 2 | 1 | 3 | 0 |
| $\frac{+2}{5}$ | $\frac{+0}{4}$ | $\frac{+3}{5}$ | $\frac{+4}{4}$ | $\frac{+2}{5}$ | $\frac{+5}{5}$ |
| 0 | 2 | 2 | 4 | 4 | 5 |
| $\frac{+}{5}$ | $\frac{+}{4}$ | $\frac{+}{5}$ | $\frac{+}{4}$ | $\frac{+}{5}$ | $\frac{+}{5}$ |
| = | = | = | = | = | = |
| $\frac{+1}{5}$ | $\frac{+0}{4}$ | $\frac{+1}{4}$ | $\frac{+5}{5}$ | $\frac{+3}{4}$ | $\frac{+2}{3}$ |

Liksiyun 14

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg pegtimul te me numiru neg puun te 1 taman te numiru 7.

Egliberen ka miglihad ne liksiyun

1. Gamita nu man-e ka me pepil ne impanamped nu ne inggamit nu te liksiyun 13. Ne ipapitew nu kandan seeye wey paansili nu kandan teg meemenen teg kahi. (Iyan meupiya perem neg meiyal sikandan kag ansil rue.) Ne lib-libera nu sika.
2. Isulat nu seini diyet bulakbud wey paansili nu kandan kayi te bulakbud:

$$\frac{2}{+3} = \frac{2}{+0} = \frac{2}{+5} = \frac{4}{+3} = \frac{4}{+5} = \frac{2}{+2}$$

Egmenuwen teg panulu te liksiyun

- a. Basei nu sikandan te seinin me guhuren wey bulihi nu sikandan teg ansil kayi:
 - a) Due tatelu ne parisian ne salual ni Dadung, ne tatelu red degma ka salual te amey rin. Ne pila naa langun ka me salual ran te daruwa?
Ne idruwing nu seini diyet bulakbud: $(3 + 3 = \underline{\quad})$
 - b) Daruwa re ka saya ni Aning, piru ka kakey rin, hep-at ka kandin ne me saya. Ne pila langun ka me saya ran te daruwa?
 $(2 + 4 = \underline{\quad})$
 - c) Due lalimma ne tipey te kumbale ni Rose, piru ka hari rin, sabeka re ka tipey te kumbale din. Ne pila naa langun ka me tipey ran te daruwa? $(5 + 1 = \underline{\quad})$
 - d) Due hen-em ne kale enni Huwan, piru ware kale te anuhang din. Ne pila naa langun ka me kale dan? $(6 + 0 = \underline{\quad})$
 - e) Nakakita si Liyun te daruwa ne lala diyet pitsayan din wey lalimma ne lala diyet kalamantisan din. Pila naa langun ka me lala? $(2 + 5 = \underline{\quad})$
 - f) Nekeutel te hep-at ne bakbak si Dabid, ne ka hari rin, tatelu re ne bakbak ka neutel rin. Pila naa langun ka neutel ran? $(4 + 3 = \underline{\quad})$
 - g) Ware miyew enni Anduy, piru ka me sumbaley ran, due pitu ne me miyew. Ne pilaa naa langun ka me miyew? $(0 + 7 = \underline{\quad})$

2. Isulat nu seini diyet bulakbud wey bulihi nu sikandan teg ansil due:

$$\begin{array}{r} 6 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ +\equiv \\ \hline 6 \end{array} \quad \begin{array}{r} 5 \\ +\equiv \\ \hline 6 \end{array} \quad \begin{array}{r} 2 \\ +\equiv \\ \hline 6 \end{array} \quad \begin{array}{r} 0 \\ +\equiv \\ \hline 7 \end{array} \quad = \quad \begin{array}{r} = \\ +2 \\ \hline 7 \end{array} \quad \begin{array}{r} = \\ +6 \\ \hline 7 \end{array}$$

Ka me asaynmin dan

1. Idrwing nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:



$$\begin{array}{r} 6 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +6 \\ \hline \end{array} \quad = \quad \underline{\quad}$$



$$\begin{array}{r} 4 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +4 \\ \hline \end{array} \quad = \quad \underline{\quad}$$



$$\begin{array}{r} 2 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +2 \\ \hline \end{array} \quad = \quad \underline{\quad}$$



$$\begin{array}{r} 7 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ +7 \\ \hline \end{array} \quad = \quad \underline{\quad}$$

2. Isulat nu seini diyet bulakbud wey paansila nu sikandan diyet pepil ran:

$$\begin{array}{r} 0 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +4 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +0 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ +\equiv \\ \hline 7 \end{array} \quad \begin{array}{r} 4 \\ +\equiv \\ \hline 7 \end{array} \quad \begin{array}{r} 2 \\ +\equiv \\ \hline 7 \end{array} \quad \begin{array}{r} 0 \\ +\equiv \\ \hline 7 \end{array} \quad \begin{array}{r} 1 \\ +\equiv \\ \hline 4 \end{array} \quad \begin{array}{r} 3 \\ +\equiv \\ \hline 6 \end{array} \quad \begin{array}{r} 7 \\ +\equiv \\ \hline 7 \end{array} \quad \begin{array}{r} 5 \\ +\equiv \\ \hline 7 \end{array} \quad \begin{array}{r} 3 \\ +\equiv \\ \hline 7 \end{array} \quad \begin{array}{r} 1 \\ +\equiv \\ \hline 7 \end{array}$$

$$= \quad = \quad = \quad = \quad = \quad = \quad = \quad = \quad = \quad = +$$

$$\begin{array}{r} +6 \\ \hline 6 \end{array} \quad \begin{array}{r} +1 \\ \hline 6 \end{array} \quad \begin{array}{r} +5 \\ \hline 6 \end{array} \quad \begin{array}{r} +2 \\ \hline 3 \end{array} \quad \begin{array}{r} +2 \\ \hline 4 \end{array} \quad \begin{array}{r} +3 \\ \hline 3 \end{array} \quad \begin{array}{r} +4 \\ \hline 6 \end{array} \quad \begin{array}{r} +5 \\ \hline 6 \end{array} \quad \begin{array}{r} +3 \\ \hline 6 \end{array} \quad \begin{array}{r} 0 \\ \hline 6 \end{array}$$

3. Kene nu egkalingawi neg pakurikan te me istudenti ka me malehet ne me ansil ran.

Liksiyun 15

Tuyu

Iyan tuyu kayi su eyew egkateu ran e neg pegtimul te me numiru puun te 1 peendiye te 8.

Egliberen ka miglihahad ne liksiyun

Isulat nu seini diyet bulakbud wey paansili nu kandan:

$$\begin{array}{r} 4 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ += \\ \hline 7 \end{array} \quad \begin{array}{r} 3 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ += \\ \hline 7 \end{array} \quad \begin{array}{r} 6 \\ += \\ \hline 7 \end{array}$$

Egmenuwen teg panulu te liksiyun

a. Te an-anayan, basaa nu seini se me guhuren iling te diyet liksiyun 14. Ne bulihi nu sikandan teg ansil kayi:

a) Due hep-at ne lumansad wey hep-at ne upa ne me manuk ni Runi. Ne pila naa langun seeye se me manuk din?

$$\begin{array}{c} \bigcirc \bigcirc \bigcirc \bigcirc \quad \bigcirc \bigcirc \bigcirc \bigcirc \\ 4 \quad + \quad 4 \quad = \quad \underline{\quad} \end{array}$$

b) Due lalimma ne itu ni Anu, ne ka kakey rin, due degma tatelu ne itu din. Ne pila naa langun ka me itu dan?

$$\begin{array}{c} \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \quad \bigcirc \bigcirc \bigcirc \\ 5 \quad + \quad 3 \quad = \quad \underline{\quad} \end{array}$$

c) Due pitu ne bibi diyet sabekan basakan, ne diyet dangeb ne basakan, sabeka re ka bibi. Ne pila naa langun ka me bibi?

$$\begin{array}{c} \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \quad \bigcirc \\ 7 \quad + \quad 1 \quad = \quad \underline{\quad} \end{array}$$

d) Nakakita si Jun te walu ne langew diyet alabat din, piru ware nakita rin diyet lamisa rin. Ne pila naa langun ka me langew diyet baley rin?

$$\begin{array}{c} \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \bigcirc \\ 8 \quad + \quad 0 \quad = \quad \underline{\quad} \end{array}$$

2. Panulua nu sikandan ke egpekeg-iling naan ded ka ansil minsan egpegbaliyungen nu teg sulat iling kayi:











$$\begin{array}{rclclcl} 5 & + & 3 & = & \underline{\quad} & 3 & + & 5 & = & \underline{\quad} \\ 6 & + & 2 & = & \underline{\quad} & 2 & + & 6 & = & \underline{\quad} \\ 7 & + & 1 & = & \underline{\quad} & 1 & + & 7 & = & \underline{\quad} \\ 8 & + & 0 & = & \underline{\quad} & 0 & + & 8 & = & \underline{\quad} \end{array}$$

3. Isulat nu seini diyet bulakbud wey paansila nu sikandan diyet bulakbud:

$$\begin{array}{r} 7 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ += \\ \hline 8 \end{array} \quad \begin{array}{r} 5 \\ += \\ \hline 8 \end{array} \quad \begin{array}{r} 1 \\ += \\ \hline 8 \end{array} \quad \begin{array}{r} 6 \\ += \\ \hline 8 \end{array}$$

Ka me asaynmin dan

1. Idrwing nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

| | | | | | | | | | |
|---|---|---|---|-------|--|---|---|---|-------|
|  | + |  | = | _____ |  | + |  | = | _____ |
| 4 | | 4 | | | 5 | | 3 | | |
|  | + |  | = | _____ |  | + |  | = | _____ |
| 6 | | 2 | | | 8 | | 1 | | |
| 2 | + | 6 | = | _____ | 1 | + | 8 | = | _____ |
|  | + |  | = | _____ | | | | | |
| 7 | | 1 | | | | | | | |
| 1 | + | 7 | = | _____ | | | | | |

2. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

| | | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| $\frac{8}{+0}$ | $\frac{7}{+1}$ | $\frac{6}{+2}$ | $\frac{5}{+3}$ | $\frac{4}{+4}$ | $\frac{3}{+5}$ | $\frac{2}{+6}$ | $\frac{7}{+1}$ |
| $\frac{8}{+=}$ | $\frac{2}{+=}$ | $\frac{6}{+=}$ | $\frac{4}{+=}$ | $\frac{=}{+1}$ | $\frac{=}{+3}$ | $\frac{=}{+5}$ | $\frac{=}{+7}$ |
| 8 | 8 | 8 | 8 | 8 | 8 | 8 | 8 |
| $\frac{5}{+3}$ | $\frac{4}{+4}$ | $\frac{6}{+2}$ | $\frac{7}{+1}$ | $\frac{3}{+5}$ | $\frac{2}{+5}$ | $\frac{1}{+6}$ | $\frac{0}{+8}$ |
| $\frac{9}{+0}$ | $\frac{1}{+7}$ | $\frac{2}{+6}$ | $\frac{3}{+4}$ | $\frac{4}{+4}$ | $\frac{0}{+7}$ | $\frac{4}{+3}$ | $\frac{6}{+2}$ |

3. Pakuriki nu kandan ka me malehet ne me ansil ran.

Liksiyun 16

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg pegtimul te me numiru neg puun te 1 peendiye te 9.

Egliberen ka miglihahad ne liksiyun

Isulat nu seini diyet bulakbud wey paansili nu kandan seini:

| | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 2 | 6 | 5 | 4 | 3 | 7 | 4 | 2 | 3 |
| <u>+6</u> | <u>+1</u> | <u>+3</u> | <u>+1</u> | <u>+0</u> | <u>+1</u> | <u>+4</u> | <u>+6</u> | <u>+8</u> |
| | | | | | | | 6 | 8 |

Egmenuwen teg panulu te liksiyun

a. Iingan ded man-e seini teg panulu te seeye se me numiru neg pegtimulen. Te an-anayan, gamita nu seini se me guhuren:



- a) Due hep-at ne kalabew ni Datu Undung, ne lalimma degma ka kalabew te alukuy rin ne si Ising. Ne pila naa langun ka me kalabew ran te daruwa?
- b) Nakakita si Hining te hen-em ne ambew diyet ahelayan din. Ne diye degma te palayan din, due tateu man-e ne nakita rin ne ambew. Ne pila naa langun ka




 4 + 5 = ____

ambew ne nakita rin?



- c) Nekeutel si Urdu te pitu ne aluan te pegpamunuwit din diyet Salug te aldew te Lunis. Te pegkapawe te Manis, nekeutel ne man-e sikandin te daruwa ne aluan.

 6 + 3 = ____

Ne pila naa langun ka neutel rin seled te daruwan aldew?

- d) Amanan masalig ka me kutsi ni Datu Ungka. Ne diyet ugpaan din te Sita, due walu ne kutsi rin, piru sabeka te ka kutsi rin diyet dangeb ne ugpaan din te



 7 + 2 = ____

Gungking. Ne pila naa langun ka me kutsi ni Ungka?

- e) Due siyew ne anak enni Susan ne neelin ne me lukes, piru ware anak dan ne malitan. Ne pila naa langun ka me anak enni Susan?




 8 + 1 = ____

 9 + 0 = ____

2. Panulua nu sikandan te minsan egpekegbaliyung ka me numiru, piru egpekeg-iling ded ka me ansil ran. Iling kayi:

| | | | | | | | | | | |
|---|---|---|---|-------|--|---|---|---|---|-------|
| 4 | + | 5 | = | _____ | | 5 | + | 4 | = | _____ |
| 6 | + | 3 | = | _____ | | 3 | + | 6 | = | _____ |
| 7 | + | 2 | = | _____ | | 2 | + | 7 | = | _____ |
| 8 | + | 1 | = | _____ | | 1 | + | 8 | = | _____ |
| 9 | + | 0 | = | _____ | | 0 | + | 9 | = | _____ |

3. Isulat nu seini diyet bulakbud wey bulihi nu sikandan teg ansil kayi:

| | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 5 | 6 | 7 | 8 | 9 | 4 | 5 | 3 | 1 |
| <u>+4</u> | <u>+3</u> | <u>+2</u> | <u>+1</u> | <u>+0</u> | <u>+5</u> | <u>+6</u> | <u>+6</u> | <u>+6</u> |
| | | | | | | 9 | 9 | 9 |

Ka me asaynmin dan

1. Idrawing nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

| | | | |
|---|----------|-----|----------|
| △ | △△△△△△△△ | ○○○ | ○○○○○○○○ |
| 1 | + | 8 | = _____ |
| 8 | + | 1 | = _____ |
| 3 | + | 6 | = _____ |
| 6 | + | 3 | = _____ |

2. Idrawing nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

| | | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <u>+1</u> | <u>+2</u> | <u>+0</u> | <u>+2</u> | <u>+3</u> | <u>+4</u> | <u>+1</u> | <u>+6</u> | <u>+3</u> | <u>+9</u> |
| 6 | 2 | 9 | 4 | 8 | = | = | = | = | = |
| <u>+6</u> | <u>+6</u> | <u>+6</u> | <u>+6</u> | <u>+6</u> | <u>+0</u> | <u>+7</u> | <u>+1</u> | <u>+3</u> | <u>+5</u> |
| 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 |
| <u>+8</u> | <u>+7</u> | <u>+6</u> | <u>+5</u> | <u>+4</u> | <u>+0</u> | <u>+1</u> | <u>+2</u> | <u>+3</u> | <u>+4</u> |

3. Kene nu egkalingawi neg pakurikan kandan ka me malehet ne me ansil ran.

Liksiyun 17

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg pegtimul te me numiru neg puun te 1 peendiye te 10.

Egliberen ka miglihahad ne liksiyun

- Basei nu sikandan te seinin guhuren wey paansili nu kandan:
Nakabeli si Wini te hep-at ne buuk ne sahing diyet tindaan te aldew te Lunis. Te pegkapawe te Martis, nakabeli rin e man-e te lalimma ne sahing. Ne pila naan e langun ka nabeli rin ne sahing seled te daruwan aldew? ($4 + 5 = \underline{\quad}$)
- Isulat nu seini diyet bulakbud wey paansili nu kandan piru iglalag dan de diyet keykew ka me ansil ran:

| | | | | | | | | |
|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|----------------|
| $\frac{6}{+2}$ | $\frac{3}{+3}$ | $\frac{0}{+5}$ | $\frac{9}{+0}$ | $\frac{4}{+5}$ | $\frac{8}{+1}$ | $\frac{2}{+5}$ | $\frac{2}{+4}$ | $\frac{4}{+4}$ |
| $\frac{2}{+=}$ | $\frac{3}{+=}$ | $\frac{2}{+=}$ | $\frac{6}{+=}$ | $\frac{0}{+=}$ | $\frac{=}{+2}$ | $\frac{=}{+4}$ | $\frac{=}{+5}$ | $\frac{=}{+2}$ |
| 6 | 7 | 5 | 9 | 9 | 6 | 7 | 9 | 8 |

Egmenuwen teg panulu te liksiyun

Ilinga nu red teg panulu seini te liksiyun 16.

- Seini ka me guhuren neg baseen nu diyet kandan wey keilangan neg bulihan nu sikandan teg ansil kayi:
 - Due hen-em ne bula kayit bariyu te Simud, piru ka diyet bariyu te Panganan, hep-at de ka bula ran. Ne pila naa langun ka bula te daruwa ne bariyu?
($6 + 4 = \underline{\quad}$)
 - Due pitu ne me mutur diyet Tawas, piru daruwa re ka mutur kayit Simud. Ne pila naa langun ka me mutur te daruwa ne inged? ($7 + 2 = \underline{\quad}$)
 - Nakakita si Aman te walu ne ubal diyet Pahuyuren. Ne diyet Sita, duen e man-e daruwa ne ubal ne nakita rin. Ne pila naa langun ka me ubal ne nakita rin?
($8 + 2 = \underline{\quad}$)
 - Due siyew ne me radyu diyet me etew te Keilangan. Piru sabeka re ka radyu diyet Dihungan. Ne pila naan e langun ka me radyu? ($9 + 1 = \underline{\quad}$)
- Ne panulua nud man-e sikandan te minsan egpekegbaliyung ka me numiru, piru egpekeg-iling ded ka me ansil. Iling kayi:

| | | | | | | | | | |
|----|---|---|---|-------|---|---|----|---|-------|
| 10 | + | 0 | = | _____ | 0 | + | 10 | = | _____ |
| 6 | + | 4 | = | _____ | 4 | + | 6 | = | _____ |
| 7 | + | 3 | = | _____ | 3 | + | 7 | = | _____ |
| 8 | + | 2 | = | _____ | 2 | + | 8 | = | _____ |
| 9 | + | 1 | = | _____ | 1 | + | 9 | = | _____ |

3. Isulat nu man-e seini diyet bulakbud wey ansili niyu langun:

$$\begin{array}{r} 2 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ +10 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ + \\ \hline 10 \end{array} \quad \begin{array}{r} 4 \\ + \\ \hline 10 \end{array} \quad \begin{array}{r} 8 \\ + \\ \hline 10 \end{array} \quad = \quad \begin{array}{r} 3 \\ + \\ \hline 10 \end{array} \quad \begin{array}{r} 6 \\ + \\ \hline 10 \end{array}$$

Ka me asaynmin dan

1. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

| | | | | | | | | | | | | | | | | | | | | |
|----|---|----|---|-------|---|---|---|---|-------|---|---|---|---|---|---|---|---|---|---|---|
| ★ | ★ | ★ | ★ | ★ | ★ | ★ | ★ | ★ | ★ | ★ | □ | □ | □ | □ | □ | □ | □ | □ | □ | □ |
| 10 | + | 0 | = | _____ | 8 | + | 2 | = | _____ | | | | | | | | | | | |
| 0 | + | 10 | = | _____ | 2 | + | 8 | = | _____ | | | | | | | | | | | |
| 1 | + | 9 | = | _____ | 7 | + | 3 | = | _____ | | | | | | | | | | | |
| 9 | + | 1 | = | _____ | 3 | + | 7 | = | _____ | | | | | | | | | | | |
| 4 | + | 6 | = | _____ | 5 | + | 5 | = | _____ | | | | | | | | | | | |
| 6 | + | 4 | = | _____ | | | | | | | | | | | | | | | | |

2. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

3. Pakuriki nu kandan ka me malehet ne me ansil ran.

| | | | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 5 | 2 | 1 | 9 | 8 | 3 | 5 | 8 | 4 | 5 |
| <u>+3</u> | <u>+8</u> | <u>+7</u> | <u>+1</u> | <u>+0</u> | <u>+7</u> | <u>+4</u> | <u>+2</u> | <u>+3</u> | <u>+5</u> |
| 10 | 9 | 1 | 2 | 7 | 5 | 4 | 8 | 6 | 3 |
| <u>+ =</u> | <u>+ =</u> | <u>+ =</u> | <u>+ =</u> | <u>+ =</u> | <u>+ =</u> | <u>+ =</u> | <u>+ =</u> | <u>+ =</u> | <u>+ =</u> |
| 10 | 10 | 8 | 10 | 8 | 10 | 6 | 10 | 9 | 10 |
| = | = | = | = | = | = | = | = | = | = |
| <u>+ 2</u> | <u>+ 3</u> | <u>+ 1</u> | <u>+ 1</u> | <u>+ 4</u> | <u>+ 8</u> | <u>+ 6</u> | <u>+ 3</u> | <u>+ 5</u> | <u>+ 4</u> |
| 10 | 6 | 10 | 5 | 10 | 8 | 10 | 9 | 10 | 6 |

Liksiyun 18

Tuyu

Iyan tuyu kayi su eyew egliberen teg panulu ka me numiru neg bunsud te 0 peendiye te 10. Ne ka igkarangeb ne tuyu kayi su eyew egkateu ran neg seel te Biniseye ne me numiru neg bunsud te 0 peendiye te 10 degma.

Ka eg-andamen nu diye te baley

1. Ne kua nu ka me pepil ne impanulatan nu te me numiru ne in-andam nu te liksiyun 13.
2. Ne abey kad e man-e himu te me pepil neg panamperen neg panulatan te me numiru neg ilingen kayi:

| | | | | | | | | | | | |
|---------|---------|----------|----------|---------|---------|---------|---------|---------|---------|---------|---------|
| 6 +0 | 6 +1 | 6 +2 | 6 +3 | 6 +4 | 7 +0 | 7 +1 | 7 +2 | 7 +3 | 8 +0 | 8 +1 | 8 +2 |
| 9 +0 | 9 +1 | 10 +0 | 0 +10 | 0 +9 | 0 +8 | 0 +7 | 0 +6 | 1 +9 | 1 +8 | 1 +7 | 1 +6 |
| 1 +5 | 2 +8 | 2 +7 | 2 +6 | 2 +5 | 2 +4 | 3 +7 | 3 +6 | 3 +5 | 3 +4 | 3 +3 | 4 +6 |
| 4 +5 | 4 +3 | 4 +2 | 5 +5 | 5 +4 | 5 +3 | 5 +2 | 5 +1 | | | | |

Enggaran seini te
flashcards

Egmenuwen teg panulu te liksiyun

Egbebasbas neg seel te Biniseye

1. Isulat nu diyet bulakbud ka me numiru neg bunsud te 0 peendiye te 10. Te an-anayan, seela niyu seini ne me numiru teg Matigsaluhén teg seel iling te: saa, duwa peendiye te sapulu. Neg kataman, basaa niyud man-e teg Biniseyeen. Ne keilangan neg tinuruen niyu ka me numiru neg baseen niyu. Ilinga niyu kayi: unu, dus, tris, kwatru, singku, sayis, siti, utsu, nuwibi, dyis.
2. Ne liblibera niyu teg seel ka iling dutu.

Egliberen teg panulu ka me numiru neg pegtimulen puun te 0 peendiye te 10.

- a. Ne basei nud e man-e sikandan te me guhuren wey paansili nu kandan. Ne emun ke due keneg pakaansil, keilangan neg bulihan nu sikandan teg ansil.
 - a) Due kakey ku neg kaberes ne amanag keibeg te beungun. Nakakeen din te hep-at ne timman ne beungun te maselem, wey daruwa ne timman te beungun ka nakeen din te maapun. Ne pila naa langun ne me beungun ka nakeen din?

- 2) Migparumeey ka anggam ku wey ka kakey ku neg pamunuwit diyet lanew. Te ware de naluhey, nekeutel e ka anggam ku te 5 ne tilapya, ne 4 degma ka neutel te kakey ku ne tilapya. Ne pila naa langun ka neutel ran te daruwa?
 - 3) Miggendiye ka amey ku te bubungan kag panggeed te igbebaley ney man-e. Te maselem, nakaheed din te 6, ne 3 man-e ka naheed din te maapun. Ne pila naa langun ka naheed din seled te sabekan aldew?
 - 4) Migparumeey key te iney ku neg aweg te palayan ney. Te maselem, 3 re ka nakita ney ne maya. Piru te maapun e, 5 e ka maya ne nakita ney. Ne pila naan e langun ka maya ne nakita ney seled te sabekan aldew?
- b. Ne gamita nud ka me pepil ne impanulatan nu te me numiru wey pegsewuha nu langun.
- b) Tigsalimbekaa nu ka me istudanti teg pasasindeg neg paansilen te seeye se me pepil ne impanulatan nu, ipalalag nu re kandan ka me ansil ran.
 - c) Ne baara nu ka me istudanti te 3 ne grupu. Seini se 3 ne grupu, pegsaliya nu ke hentew ka meiyal neg pakaansil te seeye se igpapatew nu kandan neg paansilan. Ne behayi nu te iskur ka egpekewun-a ne grupu neg pakaansil. (Egkaayun ne igsulat nu seini diyet bulakbud.)

Ka me asaynmin dan

1. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

| | | | | | | | | |
|-------------|-----------|------------|--------------|------------|-----------|-------------|-----------|-----------|
| <u>3</u> | <u>5</u> | <u>0</u> | <u>9</u> | <u>3</u> | <u>5</u> | <u>3</u> | <u>0</u> | |
| <u>+6</u> | <u>+2</u> | <u>+10</u> | <u>+1</u> | <u>+7</u> | <u>+4</u> | <u>+2</u> | <u>+3</u> | |
| 6 | 2 | 3 | 5 | 6 | 3 | 2 | 4 | |
| <u>+8</u> | <u>+6</u> | <u>+8</u> | <u>+10</u> | <u>+10</u> | <u>+7</u> | <u>+7</u> | <u>+8</u> | |
| = | = | = | = | = | = | = | = | |
| <u>+4</u> | <u>+3</u> | <u>+5</u> | <u>+3</u> | <u>+2</u> | <u>+4</u> | <u>+7</u> | <u>+3</u> | |
| 10 | 17 | 8 | 5 | 6 | 5 | 7 | 10 | |
| ___ = 7 + 0 | | | 3 + ___ = 8 | | | ___ = 4 + 4 | | |
| ___ = 0 + 8 | | | 6 + ___ = 9 | | | ___ = 5 + 3 | | |
| ___ = 9 + 0 | | | 4 + ___ = 10 | | | ___ = 4 + 3 | | |
| <u>8</u> | <u>9</u> | <u>4</u> | <u>5</u> | <u>7</u> | <u>3</u> | <u>0</u> | <u>1</u> | <u>4</u> |
| <u>+2</u> | <u>+1</u> | <u>+6</u> | <u>+5</u> | <u>+1</u> | <u>+7</u> | <u>+9</u> | <u>+8</u> | <u>+4</u> |

2. Kene nu egkalingawi neg pakurikan te me istudanti ka me ansil ran.

Liksiyun 19

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg pegtimul te tatelu ne me numiru neg kalain-lain.

Ka eg-andamen nu diye te baley

Kuwa ka te me panunggilingan wey nihu, duma te me pepil ne impanamped ne impanulatan te me numiru (flashcards).

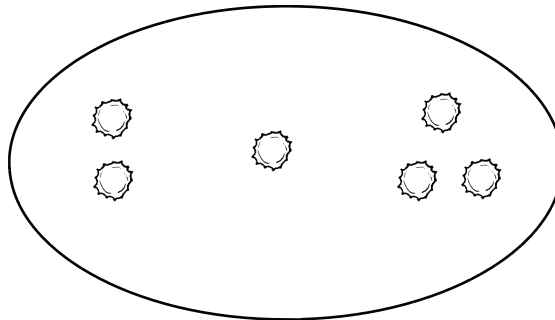
Egliberen ka miglihad ne liksiyun

Gamita nu man-e ka me pepil ne impanamped ne impanulatan (flashcards) ne iling te liksiyun 18.

1. Ipapitew nu kandan ka me pepil ne due me numiru (flashcard) wey paansili nu kandan.
2. Pegsaliya nu red man-e teg ansil ka me istudanti ke hentew dapit kag pekewun-a neg ansil.
3. Ne isulat nud man-e diyet bulakbud ka me numiru neg bunsud te 0 peendiye te 10.

Egmenuwen teg panulu te liksiyun

1. Ne kua nud ka nihu wey ipanahu nu diye ka me panunggilingan piru pegdiyua nu teg panahu iling kayi:
2. Panulua nu sikandan te egpegtimulen ka hun-an grupu: $2 + 1 = 3$. Ne kua nu ka ansil



te sika se an-anayan, pegtimula nud man-e te seeye se sabekan grupu iling kayi:
 $3 + 3 = 6$.

3. Idruwing nu seini diyet bulakbud:

$$\begin{array}{c} \bigcirc \\ \bigcirc \\ 2 \end{array} + \begin{array}{c} \bigcirc \\ 1 \end{array} = 3 \quad + \quad \begin{array}{c} \bigcirc \\ \bigcirc \bigcirc \\ 3 \end{array} = 6 \quad \text{wey ke} \quad \begin{array}{r} 2 \\ +1 \boxed{3} \\ +3 \\ \hline 6 \end{array}$$

- d. Basei nu ka me istudanti te seini ne me guhuren wey bulihi nu sikandan teg ansil.
- d) Due 1 ne upa ni Aning ne mig-atelug diyet salahin din. Seled te sabekan simana, nakaatelug ka manuk din te 3, piru te igkarangeb e ne simana, 2 re ka nakatimul ne atelug, te igkatelu e man-e ne simana, nakaatelug pad ka manuk te 4 ne buuk. Ne pila naan e langun ka atelug te manuk seled te tatelun simana?

$$3 + 2 = 5 + 4 = 9 \text{ wey ke}$$

$$\begin{array}{r} 3 \\ +2 \boxed{5} \\ \hline +4 \end{array}$$

- e) Due me bate neg panderegpak te me batu diyet weyig. Ka an-anayan ne bate, due 5 ne batu ka indegpak din. Ne ka igkarangeb ne bate, 2 ka kandin ne indegpak. Ne ka igkatelu ne bate, 1 re ka indegpak din ne batu. Ne pila naan e langun ka indegpak dan ne batu diyet weyig?

5. Isulat nu seini diyet bulakbud wey bulihi nu sikandan teg ansil kayi:

$$\begin{array}{r} 5 \\ +2 \boxed{} \\ \hline +1 \end{array}$$

(Keilangan ne eggun-aan dan teg sulat ka an-anayan ne ansil, ne henduen

$$\begin{array}{r} 6 \\ +1 \boxed{} \\ \hline +1 \end{array} \quad \begin{array}{r} 3 \\ +4 \boxed{} \\ \hline +2 \end{array} \quad \begin{array}{r} 4 \\ +4 \boxed{} \\ \hline +2 \end{array} \quad \begin{array}{r} 3 \\ +3 \boxed{} \\ \hline +3 \end{array} \quad \begin{array}{r} 2 \\ +5 \boxed{} \\ \hline +3 \end{array}$$

pad ka igkarangeb ne ansil.)

Ka me asaynmin dan

1. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:
2. Kene nu egkalingawi neg pakurikan kandan ka me malehet ne me ansil ran.

$$\begin{array}{r} 3 \\ +2 \boxed{} \\ \hline +2 \end{array} \quad \begin{array}{r} 4 \\ +2 \boxed{} \\ \hline +1 \end{array} \quad \begin{array}{r} 7 \\ +2 \boxed{} \\ \hline +1 \end{array} \quad \begin{array}{r} 6 \\ +2 \boxed{} \\ \hline +2 \end{array} \quad \begin{array}{r} 6 \\ +1 \boxed{} \\ \hline +1 \end{array} \quad \begin{array}{r} 5 \\ +2 \boxed{} \\ \hline +3 \end{array}$$

$$\begin{array}{r} 4 \\ +4 \\ \hline +2 \end{array} \quad \begin{array}{r} 3 \\ +4 \\ \hline +2 \end{array} \quad \begin{array}{r} 2 \\ +2 \\ \hline +2 \end{array} \quad \begin{array}{r} 4 \\ +2 \\ \hline +0 \end{array} \quad \begin{array}{r} 4 \\ +2 \\ \hline +3 \end{array} \quad \begin{array}{r} 8 \\ +1 \\ \hline +1 \end{array} \quad \begin{array}{r} 9 \\ +1 \\ \hline +0 \end{array}$$

$$\begin{array}{r} 5 \\ +3 \\ \hline +2 \end{array} \quad \begin{array}{r} 4 \\ +1 \\ \hline +2 \end{array} \quad \begin{array}{r} 6 \\ +1 \\ \hline +3 \end{array} \quad \begin{array}{r} 8 \\ +1 \\ \hline +0 \end{array} \quad \begin{array}{r} 4 \\ +1 \\ \hline +2 \end{array} \quad \begin{array}{r} 3 \\ +2 \\ \hline +4 \end{array} \quad \begin{array}{r} 4 \\ +3 \\ \hline +1 \end{array}$$

Liksiyun 20

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti keg menuwen neg awaan ka me numiru.

Ka eg-andamen nu diye te baley

Kuwa ke red man-e te me panunggilingan wey ka niyu.

Egliberen ka miglihad ne liksiyun

Ipalalag nu re te me istudanti seini se egpaansilan kandan:

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 7 | 8 | 7 | 6 | 3 | 2 | 2 | 5 | 4 | 3 |
| 3 | 1 | 1 | 3 | 1 | 2 | 1 | 2 | 1 | 2 |
| +0 | +1 | +2 | +0 | +4 | +2 | +2 | +3 | +1 | +4 |

Egmenuwen teg panulu te liksiyun

1. Te an-anayan, kuwa ka te tatelu ne sahing ne itahu nu diyet niyu. (Egkaayun ne minsan nekey ne panunggilingan kag gamiten nu.) Ne kuwa ka te sabekan istudanti wey ipaawe nu kandin ka sabeka ne sahing diyet niyu. Ne insei nu sikandin ke pila naan de ka nasame ne sahing diyet niyu. Ne liblibera nu seini teg panulu kandan taman teg kateu ran e, piru minsan nekey ne numiru ka eggamiten nu teg panulu kandan.
2. Ipanulu nu kandan te “-” seini ka palinneu te eg-awaan.
3. Isulat nu diyet bulakbud ka me numiru ne inggamit nu te panunggilingan ne iling kayi:

$$\begin{array}{c}
 \star \quad \star \quad \cancel{\star} \\
 3 \quad - \quad 1 \quad = \quad 2
 \end{array}$$

$$\begin{array}{c}
 \triangle \triangle \triangle \triangle \\
 4 \quad - \quad 2 \quad = \quad 2
 \end{array}$$

Abey ke pa man-e te duman numiru neg ilingen kayi.

4. Isulat nu seini diyet bulakbud wey bulihi nu sikandan teg ansil kayi:

$$\begin{array}{c}
 \text{flower} \quad \cancel{\text{flower}} \quad \cancel{\text{flower}} \\
 3 \quad - \quad 2 \quad = \quad _
 \end{array}$$

$$\begin{array}{c}
 \text{leaf} \quad \cancel{\text{leaf}} \quad \cancel{\text{leaf}} \quad \cancel{\text{leaf}} \\
 4 \quad - \quad 3 \quad = \quad _
 \end{array}$$

$$\begin{array}{c}
 \cancel{\text{heart}} \quad \cancel{\text{heart}} \\
 2 \quad - \quad 2 \quad = \quad _
 \end{array}$$

$$\begin{array}{c}
 \triangle \quad \triangle \quad \triangle \quad \cancel{\triangle} \\
 4 \quad - \quad 1 \quad = \quad _
 \end{array}$$

$$\begin{array}{c}
 \star \quad \star \quad \cancel{\star} \quad \cancel{\star} \\
 4 \quad - \quad 2 \quad = \quad _
 \end{array}$$

$$\begin{array}{c}
 \cancel{\text{diamond}} \quad \cancel{\text{diamond}} \quad \cancel{\text{diamond}} \quad \cancel{\text{diamond}} \\
 4 \quad - \quad 4 \quad = \quad _
 \end{array}$$

5. Panulua nu sikandan te minsan nekey ne paahi egpekeg-iling ded ka ansil iling kayi:

$$3 - 2 = \underline{\quad}$$

$$\begin{array}{r} 3 \\ -2 \\ \hline \end{array}$$

Ka me asaynmin dan

5. Idrawing nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

6. Pakuriki nu te me istudanti ka me malehet ne me ansil ran.

$$\begin{array}{r} 4 \quad 3 \quad 2 \quad 0 \quad 4 \quad 3 \quad 2 \quad 1 \\ -0 \quad -1 \quad -2 \quad -0 \quad -4 \quad -2 \quad -1 \quad -0 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 3 \quad 4 \quad 2 \quad 4 \quad 1 \quad 3 \quad 3 \\ -3 \quad -3 \quad -2 \quad -0 \quad -1 \quad -1 \quad -0 \quad -2 \\ \hline \end{array}$$

2. Neg kataman, awaa nu ka 2 ne supe ne diyet nihi ($5 - 2 = 3$). Ne itahu nud e man-e ka 2 ne supe.

Neg kataman, awei nud e man-e te 3 ne supe ($5 - 3 = 2$).

Ne isulat nu naa seini diyet bulakbud:

$$2 + 3 = 5$$

$$3 + 2 = 5$$

$$5 - 3 = 2$$

$$5 - 2 = 3$$

3. Liberi nu teg panulu ka iling kayi taman teg kateu e ka me istudanti.

Panunggilingan ke iling kayi:

$$4 + 1 = 5$$

$$1 + 4 = 5$$

$$2 + 1 = 3$$

$$1 + 2 = 3$$

$$5 - 1 = 4$$

$$5 - 4 = 1$$

$$3 - 1 = 2$$

$$3 - 2 = 1$$

4. Idruwing nu seini diyet bulakbud wey paansili nu kandan piru keilangan neg bulihan nu sikandan keg menuwen teg ansil:



$$3 + 2 = \underline{\quad}$$

$$2 + 3 = \underline{\quad}$$

$$4 + 1 = \underline{\quad}$$

$$1 + 4 = \underline{\quad}$$

$$5 - 2 = \underline{\quad}$$

$$5 - 3 = \underline{\quad}$$

$$5 - 1 = \underline{\quad}$$

$$5 - 4 = \underline{\quad}$$



$$5 + 0 = \underline{\quad}$$

$$0 + 5 = \underline{\quad}$$

$$5 - 0 = \underline{\quad}$$

$$5 - 5 = \underline{\quad}$$

Ka me asaynmin dan

1. Idruwing nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:



$$2 + 1 = \underline{\quad}$$

$$1 + 2 = \underline{\quad}$$

$$3 + 1 = \underline{\quad}$$

$$1 + 3 = \underline{\quad}$$

$$3 - 1 = \underline{\quad}$$

$$3 - 2 = \underline{\quad}$$

$$4 - 1 = \underline{\quad}$$

$$4 - 3 = \underline{\quad}$$

2. Isulat nu red man-e seini diyet bulakbud wey paansilin ded man-e kandan diyet me pepil ran:

3. Kene nu egkalingawi neg pakurikan te me istudanti ka me malehet ne me

$$3 + 2 = \underline{\quad}$$

$$2 + 3 = \underline{\quad}$$

$$4 + 1 = \underline{\quad}$$

$$1 + 4 = \underline{\quad}$$

$$5 - 2 = \underline{\quad}$$

$$5 - 3 = \underline{\quad}$$

$$5 - 1 = \underline{\quad}$$

$$5 - 4 = \underline{\quad}$$

ansil ran.

Liksiyun 22

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg meg-awe te me numiru neg bunsud te 0 peendiye te 5.

Ka eg-andamen nu diye te baley

Kua nu ka me pepil ne impanulatan nu te me numiru (flashcards).

Egliberen ka miglihahad ne liksiyun

1. Ipapitew nu ka me **flashcard** te me istudanti wey paansili nu kandan teg meemenen.
2. Ne isulat nu man-e seini diyet bulakbud wey paansili nu kandan teg meemenen:

$$\begin{array}{cccc} 5 + 0 = \underline{\quad} & 0 + 5 = \underline{\quad} & 2 + 1 = \underline{\quad} & 1 + 2 = \underline{\quad} \\ 5 - 0 = \underline{\quad} & 5 - 5 = \underline{\quad} & 3 - 1 = \underline{\quad} & 3 - 2 = \underline{\quad} \\ 3 + 1 = \underline{\quad} & 1 + 3 = \underline{\quad} & 3 + 2 = \underline{\quad} & 2 + 2 = \underline{\quad} \\ 4 - 1 = \underline{\quad} & 4 - 2 = \underline{\quad} & 5 - 2 = \underline{\quad} & 5 - 3 = \underline{\quad} \end{array}$$

3. Isulat nu diyet bulakbud ka me numiru neg bunsud te 1 peendiye te 10 wey seela niyu teg Biniseyeen.

Egmenuwen teg panulu te liksiyun

- a. Basei nu man-e sikandan te me guhuren wey paansili nu man-e kandan:
 - a) Due 5 ne manuk te apu ku. Piru te pegtulin dan e, inggilang ney e ka 2 ne manuk. Ne pila naan de ka nasame ne manuk? ($5 - 2 = \underline{\quad}$)
 - b) Due 5 ne lukib te libru neg baseen ku. Piru nekeimpus ad kag basa te 4 ne lukib. Ne pila naan de ne lukib ka ware ku pad nabasa? ($5 - 4 = \underline{\quad}$)
2. Isulat nu seini diyet bulakbud wey pasum-sumana nu sikandan ke egpekeg-iling naan ded ka me ansil ran:

$$\begin{array}{r} 5 \\ 5 - 3 = \underline{\quad} \\ \underline{\quad} \end{array} \qquad \begin{array}{r} 4 \\ 4 - 2 = \underline{\quad} \\ \underline{\quad} \end{array}$$

3. Insei nu sikandan ke nekey-a ka kaluwasan te seini (-).

$$\begin{array}{r} 5 \\ \underline{-3} \\ \hline \end{array} \qquad \begin{array}{r} 5 \\ \underline{-} \\ \hline 2 \end{array}$$

4. Isulat nu seini diyet bulakbud:
Ne paansili nu kandan ka hun-an panunggilingan neg awaan.

- Ne panulua nu sikandan keg menuwen teg ansil ka seika te igka-numiru 2 te dibabew. Kahii nu sikandan te, “Ke due 5, ne nasamaan te daruwa, pila buwa ka inawe due te 5?” ($5 - 3 = 2$) ($5 - \underline{\quad} = 2$).
- Libera nu teg panulu ka iling degma kayi taman teg kateu e sikandan. Piru keilangan neg bulihan nu degma sikandan kag ansil kayi:

$$\begin{array}{r} 4 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ - \\ \hline 0 \end{array} \quad \begin{array}{r} 5 \\ - \\ \hline 4 \end{array} \quad \begin{array}{r} 4 \\ - \\ \hline 1 \end{array} \quad \begin{array}{r} 4 \\ - \\ \hline 2 \end{array} \quad \begin{array}{r} 5 \\ - \\ \hline 1 \end{array} \quad \begin{array}{r} 5 \\ - \\ \hline 3 \end{array}$$

Ka me asaynmin dan

- Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ -0 \\ \hline \end{array}$$

- Isulat nu man-e seini diyet bulakbud wey paansili nu kandan diyet me pepil ran. Piru pabantaya nu sikandan te me palinneu su impegsewug e seini te egpegtimulen wey ka eg-awaan:
- Isulat nu man-e seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

$$\begin{array}{r} 3 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -2 \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ -4 \\ \hline \end{array}$$

- Pakuriki nu te me istudanti ka me malehet ne me ansil ran.

$$\begin{array}{r} 5 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ - \\ \hline 2 \end{array} \quad \begin{array}{r} 4 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ - \\ \hline 0 \end{array} \quad \begin{array}{r} 5 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ - \\ \hline 4 \end{array} \quad \begin{array}{r} 4 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ - \\ \hline 5 \end{array} \quad \begin{array}{r} 5 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ - \\ \hline 1 \end{array} \quad \begin{array}{r} 4 \\ -4 \\ \hline \end{array}$$

Liksiyun 23

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg peg-awe te me numiru puun te 1 taman te numiru 6.


Egliberen ka miglihahad ne liksiyun

Isulat nu seini diyet bulakbud wey paansili nu kandan te igpalalag de:


$$\begin{array}{cccccccccccc} 2 & 5 & 2 & 5 & 2 & 5 & 2 & 5 & 2 & 5 & 2 & 5 \\ +3 & -3 & +3 & -3 & +3 & -3 & +3 & -3 & +3 & -3 & +3 & -3 \end{array}$$

Egmenuwen teg panulu te liksiyun


- Basei nu sikandan te me guhuren kayi wey paansili nu kandan, ne emun ke kene dan pad egkateu, keilangan neg bulihan nu sikandan teg ansil:
 - Migbebeli ka amey ku te sahing ne 6 ne timman, piru ingkeen din e ka 3. Ne pila naan de ka nasame ne sahing? ($6 - 3 = \underline{\quad}$)
 - Mig-anak ka asu ney te 6 ne buuk, piru migpatey ka 2 ne itu. Pila naan de ka nasame ne itu? ($6 - 2 = \underline{\quad}$)
- Idruwing nu seini diyet bulakbud wey bulihi nu sikandan teg ansil kayi. Emun ke dueg aween nu, keilangan neg bunbunan nu su eyew mahaan dan de egkatueni ka ansil ran:
Libera nu ka iling kayi ke kene dan pad amanag kateu.




$$6 - 5 = \underline{\quad}$$



$$6 - 2 = \underline{\quad}$$



$$6 - 4 = \underline{\quad}$$



$$6 - 3 = \underline{\quad}$$

- Ne isulat nud man-e seini diyet bulakbud wey paansili nu kandan:
Ne emun ke kene dan pad amanag kateu, keilangan neg bulihan nu sikandan teg ansil.

$$\begin{array}{cccccc} 6 & 6 & 6 & 6 & 6 & 6 \\ -3 & -2 & -4 & -1 & -5 & -0 \end{array} \quad \begin{array}{ccccc} 6 & 6 & 6 & 6 & 6 \\ - = & - = & - = & - = & - = \\ 3 & 5 & 4 & 1 & 2 \end{array}$$

Liksiyun 24

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg peg-awe te me numiru puun te 1 taman te numiru 7.

Ka eg-andamen nu diye te baley

Himu kad e man-e te me pepil neg panamperen neg panulatan te me numiru iling kayi: (Egngaranan te **flashcards**.)







| | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 5 | 5 | 5 | 5 | 5 | 5 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |
| -0 | -1 | -2 | -3 | -4 | -5 | -0 | -1 | -2 | -3 | -4 | -5 | -6 |
| | | | | | | | | | | | | |

Egliberen ka miglihad ne liksiyun

1. Kua nu ka tapey ne me pepil ne impanulatan nu te me numiru (flashcards) wey ka iyam ne in-andam nu. Piru seeye de se me **flashcards** neg peg-awaan.
2. Ne ipapitew nu naa kandan sika wey paansili nu kandan. Ne liblibera nu seini teg himu su eyew egkateu ran e neg ansil.
3. Neg kaayun man-e neg baaren nu sikandan su eyew egmegsaliyen nu sikandan teg ansil due te me **flashcards** ne igpapitew nu kandan.

Egmenuwen teg panulu te liksiyun

- a. Basei nu man-e sikandan te me guhuren wey paansili nu kandan, piru ipalalag nu re kandan teg ansil:
 - a) Migbeli si Runi te 7 ne putus ne supas, piru ware din nataheyi ne neulug bes e ka tatelu ne putus ne supas. Ne pila naan de ne putus te supas ka nasame diyet ki Runi? ($7 - 3 = \underline{\quad}$)
 - b) Due 7 ne ang-ang ka haheran ney diyet baley ney. Te ware de naluhey, nahepu e ka 5 ne ang-ang te haheran ney. Ne pila naan de ka nasame ne ang-ang te haheran ney ne ware nahepu? ($7 - 5 = \underline{\quad}$)
2. Idrawing nu man-e seini diyet bulakbud wey paansili nu kandan, piru ipalalag nu re kandan teg ansil:

| | |
|--|---|
|  |  |
| $7 + 0 = \underline{\quad}$ | $7 - 0 = \underline{\quad}$ |
| $0 + 7 = \underline{\quad}$ | $7 - 7 = \underline{\quad}$ |
|  |  |
| $5 + 2 = \underline{\quad}$ | $7 - 2 = \underline{\quad}$ |
| $2 + 5 = \underline{\quad}$ | $7 - 5 = \underline{\quad}$ |
|  |  |
| $4 + 3 = \underline{\quad}$ | $7 - 4 = \underline{\quad}$ |
| $3 + 4 = \underline{\quad}$ | $7 - 3 = \underline{\quad}$ |

3. Ne isulat nud e man-e seini diyet bulakbud wey paansili nu kandan piru ipalalag nu re kandan man-e teg ansil:

$$\begin{array}{r} 7 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ - \\ \hline 2 \end{array} \quad \begin{array}{r} 7 \\ - \\ \hline 1 \end{array} \quad \begin{array}{r} 7 \\ - \\ \hline 3 \end{array} \quad \begin{array}{r} 7 \\ - \\ \hline 4 \end{array} \quad \begin{array}{r} 7 \\ - \\ \hline 6 \end{array}$$

Ka me asaynmin dan

3. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran. Ne kahii nu sikandan teg pabantayen te me palinneu su impegsewug e seini te egpegtimulen ne numiru wey ka eg-awaan ne me numiru.

$$\begin{array}{l} 7 + 0 = \underline{\quad} \quad 7 - 0 = \underline{\quad} \quad 6 + 1 = \underline{\quad} \quad 7 - 1 = \underline{\quad} \\ 0 + 7 = \underline{\quad} \quad 7 - 7 = \underline{\quad} \quad 1 + 6 = \underline{\quad} \quad 7 - 6 = \underline{\quad} \\ 4 + 3 = \underline{\quad} \quad 7 - 4 = \underline{\quad} \quad 4 + 3 = \underline{\quad} \quad 7 - 4 = \underline{\quad} \\ 3 + 4 = \underline{\quad} \quad 7 - 3 = \underline{\quad} \quad 3 + 4 = \underline{\quad} \quad 7 - 3 = \underline{\quad} \end{array}$$

2. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:
3. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

$$\begin{array}{r} 3 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 1 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ -3 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +1 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +2 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -3 \\ \hline \end{array}$$

4. Pakuri ki nu te me istudanti ka me malehet ne me ansil ran.

$$\begin{array}{r} 7 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -7 \\ \hline \end{array}$$

$$\begin{array}{r} 7 \\ - \\ \hline 3 \end{array} \quad \begin{array}{r} 7 \\ - \\ \hline 5 \end{array} \quad \begin{array}{r} 7 \\ - \\ \hline 2 \end{array} \quad \begin{array}{r} 7 \\ - \\ \hline 1 \end{array} \quad \begin{array}{r} 7 \\ - \\ \hline 0 \end{array} \quad \begin{array}{r} 7 \\ - \\ \hline 4 \end{array} \quad \begin{array}{r} 7 \\ - \\ \hline 7 \end{array} \quad \begin{array}{r} 7 \\ - \\ \hline 6 \end{array}$$

Liksiyun 25

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg peg-awe te me numiru puun te 1 taman te numiru 8.

Egliberen ka miglihahad ne liksiyun

- Isulat nu ka me numiru neg puun te 1 peendiye te 10 diyet bulakbud wey paseela nu sikandan due teg Biniseyeen teg seel.
- Ne isulat nu man-e seini diyet bulakbud wey paansili nu kandan piru ipalalag nu re kandan teg ansil:

$$\begin{array}{r} 7 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -1 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ -= \\ \hline 1 \end{array} \quad \begin{array}{r} 7 \\ -= \\ \hline 5 \end{array} \quad \begin{array}{r} 7 \\ -= \\ \hline 4 \end{array} \quad \begin{array}{r} 7 \\ -= \\ \hline 0 \end{array} \quad \begin{array}{r} 7 \\ -= \\ \hline 2 \end{array}$$

Egmenuwen teg panulu te liksiyun

- Basei nu sikandan te me guhuren kayi wey paansili nu kandan piru ipalalag nu re kandan teg ansil:
 - Due migsahad te baled ni Wanitu ne ambew ne 8 ne timman, piru te peggekad din e, nakaawe e ka 4 ne ambew. Ne pila naan de ka ware nakaawe ne ambew ne migsahad te baled ni Wanitu? ($8 - 4 = \underline{\quad}$)
 - Due 8 ne bate ne miglupug te terak su eg-untud, piru ka 2 ne bate, neengeran. Ne pila naan de ka nekeuntud ne me bate diyet terak? ($8 - 2 = \underline{\quad}$)
 - Due impammula ni Diyuni ne 8 ne kapayas, piru te pegtubu e, nahangu ka 5 ne kapayas. Ne pila naan de ka ware nahangu ne kapayas? ($8 - 5 = \underline{\quad}$)
- Idruwing nu seini diyet bulakbud wey paansili nu kandan:



$4 + 4 = \underline{\quad}$



$8 - 4 = \underline{\quad}$



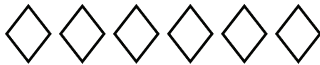
$5 + 3 = \underline{\quad}$



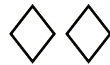
$3 + 5 = \underline{\quad}$

$8 - 3 = \underline{\quad}$

$8 - 5 = \underline{\quad}$



$6 + 2 = \underline{\quad}$



$2 + 6 = \underline{\quad}$

$8 - 2 = \underline{\quad}$

$8 - 6 = \underline{\quad}$



$7 + 1 = \underline{\quad}$



$1 + 7 = \underline{\quad}$

$8 - 1 = \underline{\quad}$

$8 - 7 = \underline{\quad}$



$8 + 0 = \underline{\quad}$

$0 + 8 = \underline{\quad}$

$8 - 0 = \underline{\quad}$

$8 - 8 = \underline{\quad}$

Ka me asaynmin dan

1. Idrawing nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:



$$\begin{array}{r}
 8 - 7 = \underline{\quad} \qquad 8 - 5 = \underline{\quad} \\
 8 - 4 = \underline{\quad} \qquad 8 - 6 = \underline{\quad} \\
 8 - 0 = \underline{\quad} \qquad 8 - 8 = \underline{\quad} \\
 8 - 3 = \underline{\quad} \qquad 8 - 1 = \underline{\quad}
 \end{array}$$

2. Isulat nu red man-e seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

$$\begin{array}{r}
 8 \qquad 8 \qquad 8 \qquad 8 \qquad 8 \qquad 8 \qquad 8 \qquad 8 \\
 \underline{-} = \quad \underline{-} = \quad \underline{-} = \quad \underline{-} = \quad \underline{-} = \quad \underline{-} = \quad \underline{-} = \quad \underline{-} = \\
 3 \qquad 1 \qquad 5 \qquad 6 \qquad 4 \qquad 7 \qquad 8 \qquad 2
 \end{array}$$

3. Pabantaya nu sikandan kayi su impegsewug e seini te egpegtimulen wey ka eg-awaan ne me numiru:
 4. Pakuriki nu kandan ka me malehet ne me ansil ran.

$$\begin{array}{r}
 8 \quad 4 \quad 7 \quad 8 \quad 1 \quad 8 \quad 5 \quad 8 \quad 3 \quad 8 \\
 \underline{-4} \quad \underline{+4} \quad \underline{+1} \quad \underline{-7} \quad \underline{+7} \quad \underline{-1} \quad \underline{+3} \quad \underline{-5} \quad \underline{+5} \quad \underline{-3} \\
 \\
 6 \quad 8 \quad 2 \quad 8 \quad 8 \quad 8 \quad 0 \quad 8 \quad 4 \quad 7 \\
 \underline{+2} \quad \underline{-6} \quad \underline{+6} \quad \underline{-2} \quad \underline{-0} \quad \underline{-8} \quad \underline{+8} \quad \underline{-0} \quad \underline{+3} \quad \underline{-3}
 \end{array}$$

Liksiyun 26

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg peg-awe te me numiru puun te sabeka taman te numiru 9.

Egliberen ka miglihahad ne liksiyun

Isulat nu seini diyeh bulakbud wey paansili nu kandan piru ipalalag nu re kandan teg ansil:

$$\begin{array}{cccccccccccc} 8 & 8 & 7 & 7 & 8 & 8 & 8 & 7 & 8 & 8 & 7 & 8 \\ \hline -8 & -6 & -2 & -5 & -5 & -1 & -3 & -6 & -4 & -2 & -3 & -7 \end{array}$$

Egmenuwen teg panulu te liksiyun

a. Iling ded man-e seini te hun-a ne me liksiyun. Basei nu sikandan te me guhuren wey paansili nu kandan, piru ipalalag nu re kandan ka ansil.

a) Migbeli si Jimmi te 9 ne atelug. Piru te pegkeuma rin diyeh baley ran, napese e ka 3 ne atelug. Ne pila naan de ka atelug ne ware napese?

$$(9 - 3 = \underline{\quad})$$

b) Mig-apil te tis diyeh iskuylaan ka 9 ne me bate, piru 7 re ka nakapasal. Ne pila naa ka bate ne ware nakapasal? ($9 - 7 = \underline{\quad}$)

c) Due 9 ne piyak te manuk ney, piru indawi te banug ka 5 ne buuk. Ne pila naan de ka ware narawi te banug ne piyak? ($9 - 5 = \underline{\quad}$)

2. Idruwing nu seini diyeh bulakbud wey paansili nu kandan piru ipalalag nu re kandan teg ansil:

Libera nu ka iling kayi neg ansilan ke kene pad egkateu ka me istudanti.



$$9 - 0 = \underline{\quad}$$

$$9 - 9 = \underline{\quad}$$



$$9 - 1 = \underline{\quad}$$

$$9 - 8 = \underline{\quad}$$



$$9 - 2 = \underline{\quad}$$

$$9 - 7 = \underline{\quad}$$



$$9 - 3 = \underline{\quad}$$

$$9 - 6 = \underline{\quad}$$



$$9 - 4 = \underline{\quad}$$

$$9 - 5 = \underline{\quad}$$

Ka me asaynmin dan

1. Idrwing nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:



$$\begin{array}{ll} 5 + 4 = \underline{\quad} & 9 - 4 = \underline{\quad} \\ 4 + 5 = \underline{\quad} & 9 - 5 = \underline{\quad} \end{array}$$

$$\begin{array}{ll} 5 + 4 = \underline{\quad} & 9 - 4 = \underline{\quad} \\ 4 + 5 = \underline{\quad} & 9 - 5 = \underline{\quad} \end{array}$$



$$\begin{array}{ll} 7 + 2 = \underline{\quad} & 9 - 2 = \underline{\quad} \\ 2 + 7 = \underline{\quad} & 9 - 7 = \underline{\quad} \end{array}$$

$$\begin{array}{ll} 7 + 2 = \underline{\quad} & 9 - 2 = \underline{\quad} \\ 2 + 7 = \underline{\quad} & 9 - 7 = \underline{\quad} \end{array}$$



$$\begin{array}{ll} 9 + 0 = \underline{\quad} & 9 - 9 = \underline{\quad} \\ 0 + 9 = \underline{\quad} & 9 - 0 = \underline{\quad} \end{array}$$

2. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

$$\begin{array}{cccccccccc} 9 & 9 & 9 & 9 & 9 & 9 & 9 & 9 & 9 & 9 \\ \hline -0 & -1 & -2 & -3 & -4 & -5 & -6 & -7 & -8 & -9 \end{array}$$

$$\begin{array}{cccccccccc} 9 & 9 & 9 & 9 & 9 & 9 & 9 & 9 & 9 & 9 \\ \hline -= & -= & -= & -= & -= & -= & -= & -= & -= & -= \\ 1 & 5 & 3 & 2 & 9 & 0 & 4 & 8 & 6 & 7 \end{array}$$

3. Pabantaya nu sikandan te me palinneu su impegsewug e man-e seini:

$$\begin{array}{cccccccccc} 1 & 9 & 2 & 3 & 9 & 9 & 4 & 9 & 5 & 9 \\ \hline +8 & -3 & +7 & +6 & -4 & -5 & +5 & -6 & +4 & -7 \end{array}$$

$$\begin{array}{cccccccccc} 6 & 9 & 7 & 9 & 8 & 9 & 9 & 9 & 0 & 9 \\ \hline +3 & +8 & +2 & -9 & +1 & -2 & +0 & -1 & +9 & -0 \end{array}$$

4. Keilangan neg pakurikan te me istudentanti ka me malehet ne me ansil ran.

Liksiyun 27

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg peg-awe te me numiru puun te 1 taman te numiru 10.

Ka eg-andamen nu diye te baley

Himu kad e man-e teg ilingen kayi ne igtimul te hun-a ne impanamped nu ne me pepil (**flashcards**):

| | | | | | | | | | | | | | |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|-----------|---------|---------|---------|----------|
| 7 -0 | 7 -1 | 7 -2 | 7 -3 | 7 -4 | 7 -5 | 7 -6 | 7 -7 | 8 -0 | 8 -1 | 8 -2 | 8 -3 | 8 -4 | 8 -5 |
| 8 -6 | 8 -7 | 8 -8 | 9 -0 | 9 -1 | 9 -2 | 9 -3 | 9 -4 | 9 -5 | 9 -6 | 9 -7 | 9 -8 | 9 -9 | 10 -0 |
| 10 -1 | 10 -2 | 10 -3 | 10 -4 | 10 -5 | 10 -6 | 10 -7 | 10 -8 | 10 -9 | 10 -10 | | | | |

Egliberen ka miglihad ne liksiyun

1. Isulat nu ka me numiru diyet bulakbud wey paseela nu sikandan te igpamemeen neg Biniseyeen teg seel.
2. Ne kua nu ka langun ne me **flashcards** ne inhimu nu, piru kene nu pa isewug ka **flashcards** ne neelin ne numiru 10.
3. Ne ipapitew nu naa kandan ka langun ne **flashcards** wey paansili nu kandan te igpalalag de. Ne libera nu kag ilingen kayi taman teg meiyal e sikandan kag ansil te igpapitew nu.

Egmenuwen teg panulu te liksiyun

- a. Basei nud e man-e sikandan te me guhuren kayi wey paansili nu kandan, piru ipalalag nu re kandan teg ansil:
 - a) Migpamunuwit gabii ka amey ku дума te hari ku. Ne due neutel ran ne 10 ne buuk ne peit, piru nakaawe ded ka 3 ne buuk. Ne pila naan de ka peit ne ware nakaawe? ($10 - 3 = \underline{\quad}$)
 - b) Imbehayan ku ka hari ku te 10 ne pibus su igpabeli ku te kindi, piru 2 pibus de ka imbeli rin te kindi. Ne pila naan de ne pibus ka nasame diyet hari ku? ($10 - 2 = \underline{\quad}$)
 - c) Due 10 ne mahugani ne impammula ku diyet lama ney. Piru nasuwal te babuy ka 5 ne mahugani. Ne pila naan de ne mahugani ka ware nasuwal te babuy? ($10 - 5 = \underline{\quad}$)

2. Isulat nu seini diyet bulakbud wey paansili nu kandan piru ipalalag nu re kandan:

$$\begin{array}{cccc}
 10 - 5 = \underline{\quad} & 10 - 10 = \underline{\quad} & 10 - 6 = \underline{\quad} & 10 - 4 = \underline{\quad} \\
 10 - 7 = \underline{\quad} & 10 - 3 = \underline{\quad} & 10 - 8 = \underline{\quad} & 10 - 2 = \underline{\quad} \\
 & 10 - 9 = \underline{\quad} & 10 - 1 = \underline{\quad} &
 \end{array}$$

3. Ne henduen pad neg kuen nu ka **flashcards** ne numiru 10 langun ne in-andam nu daan. Ne ipapitew nud e man-e sika kandan wey paansila nud e man-e te igpalalag de kandan teg ansil. Liblibera nu seini taman teg kateu e sikandan.

Ka me asaynmin dan

1. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

$$\begin{array}{cccc}
 5 + 5 = \underline{\quad} & 10 + 0 = \underline{\quad} & 9 + 1 = \underline{\quad} & 1 + 9 = \underline{\quad} \\
 10 - 5 = \underline{\quad} & 10 - 10 = \underline{\quad} & 10 - 1 = \underline{\quad} & 10 - 9 = \underline{\quad} \\
 8 + 2 = \underline{\quad} & 2 + 8 = \underline{\quad} & 7 + 3 = \underline{\quad} & 3 + 7 = \underline{\quad} \\
 10 - 2 = \underline{\quad} & 10 - 8 = \underline{\quad} & 10 - 3 = \underline{\quad} & 10 - 7 = \underline{\quad} \\
 & 6 + 4 = \underline{\quad} & 4 + 6 = \underline{\quad} & \\
 & 10 - 4 = \underline{\quad} & 10 - 6 = \underline{\quad} &
 \end{array}$$

2. Ne isulat nu red man-e seini diyet bulakbud wey paansili nu red man-e diyet me pepil ran:

3. Ipanengneng nu seini kandan:

$$\begin{array}{cccccccccc}
 10 & 10 & 10 & 10 & 10 & 10 & 10 & 10 & 10 & 10 \\
 \underline{-10} & \underline{-9} & \underline{-8} & \underline{-7} & \underline{-6} & \underline{-5} & \underline{-4} & \underline{-3} & \underline{-2} & \underline{-1} \\
 \\
 10 & 10 & 10 & 10 & 10 & 10 & 10 & 10 & 10 & 10 \\
 \underline{-=} & \underline{-=} & \underline{-=} & \underline{-=} & \underline{-=} & \underline{-=} & \underline{-=} & \underline{-=} & \underline{-=} & \underline{-=} \\
 8 & 9 & 4 & 5 & 1 & 2 & 10 & 7 & 3 & 6 \\
 \\
 5 & 5 & 4 & 4 & 3 & 3 & 2 & 2 & 1 & 1 \\
 \underline{+5} & \underline{+4} & \underline{+6} & \underline{+5} & \underline{+7} & \underline{+6} & \underline{+8} & \underline{+7} & \underline{+9} & \underline{+8}
 \end{array}$$

Nangeni nu sikandan te due “**tis**” te liksiyun 28 te mat. Ka tis, egbunsud te numiru 1 peendiye te 10. Sika se pegtimulen wey ka eg-awaan ka igtis kandan. Ne ig-apil degma teg tis ka me guhuren ne minsan kag Biniseyeen ne me numiru.

Liksiyun 28

Tuyu

Iyan tuyu kayi su eyew egkabehayan nu ka me istudanti te deisek ne **tis** su eyew egkanengnengan nu ke duen e natuenan dan meyitenged teg pegtimulen (+) wey egawaan (-) ne me numiru neg bunsud te 1 peendiye te 10.

Ka eg-andamen nu diye te baley

Kua nu langun ka me **flashcards** wey uyana nu diyet kalasiyan nu.

Egliberen ka miglihahad ne liksiyun

1. Kua nu ka me **flashcards** wey ipapitew nu kandan. Ne paansila nu naa sikandan due te igpalalag de kandan.
2. Baara nud e man-e ka me istudanti su egpegsaliyen nud e man-e ke hentew ka meiyal e neg ansil te igpapitew nu kandan.

Egmenuwen teg panulu te liksiyun

Isulat nu ka igtis nu kandan diyet bulakbud wey paansila nu sikandan diyet me pepil ran. Ne kene nu egbulihi sikandan su keilangan ne sikandan de kag ansil. Ne pegdiyua nu sikandan su kema keg pegbulihey ran kag ansil.

Ipasulat nu kandan ka me ngaran dan diyet dibabew te me pepil ran. Ne emun keg keimpusan dan e teg ansil ka langun, keilangan neg kuen nu ka me pepil ran. Ne emun keg gendiye te kaniyu ka **supervisor**, keilangan ne igbehey nu kandin seeye se tis dan.

- a. Basaa nu seini se me numiru kayi wey ipasulat nu kandan diyet me pepil ran ka me numiru:
 - a) kuwatu, unu, dyis, dus, utsu, singku, sayis, siti, tris, nuwibi.
 - b) pitu, siyew, sabeka, tatelu, walu, lalimma, hep-at, hen-em, sapulu, daruwa.
- b. Ne basei nud e man-e sikandan te me guhuren kayi wey paansilin ded man-e kandan diyet me pepil ran:
 - b) Due bubuyahen ne terak ni Datu Kuma su 10 ka liggid te terak din. Te peggendiye dan te Davao, migbetu ka 3 ne liggid te terak din. Ne pila naan de ka ware migbetu ne liggid te terak ni Datu Kuma?
 - c) Migparumeey key ka tatelu ne talaari ne miggendiye te tindaan su egbebeli key te sahing. Te pegkeuma ney diyet tindaan, migbebeli e ka kakey ku te 2 ne timman ne sahing. Ne sikeddiey, 3 ne timman degma ka imbeli ku. Ne ka hari ney, 4 ka kandin ne imbeli ne sahing. Ne pila naa langun ka nabeli ney te talaari ne sahing?
 - d) Migparumeey ka talaari ne si Urdu wey si Andung ka migpamunuwit diyet Salug. Te ware de naluhey, nekeutel e si Urdu te 3 ne peit. Ne si Andung, 4 degma ka kandin ne neutel ne peit. Ne pila naa langun ka neutel te talaari?
 - d) Due dengan 8 ne bibi ney, piru inggilang ney e ka 3 su ingkeen ney. Ne pila naan de ka nasame ne bibi ney?

3. Isulat nu man-e seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

$$\begin{array}{r} 3 \quad 6 \quad 8 \quad 4 \quad 10 \quad 2 \quad 9 \quad 4 \quad 6 \quad 10 \\ +4 \quad -4 \quad -3 \quad +2 \quad -0 \quad +5 \quad -6 \quad -0 \quad +3 \quad -10 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 3 \quad 6 \quad 5 \quad 7 \quad 6 \quad 10 \quad 9 \quad 5 \quad 3 \\ +4 \quad -2 \quad -6 \quad +5 \quad -0 \quad +4 \quad -1 \quad +1 \quad -3 \quad +3 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 2 \quad 10 \quad 2 \quad 9 \quad 4 \quad 8 \quad 5 \quad 7 \quad 8 \\ -2 \quad +4 \quad -6 \quad +2 \quad -9 \quad +5 \quad -0 \quad +1 \quad -2 \quad +2 \\ \hline \end{array}$$

4. Isulat nu red man-e seini wey paansili nu kandan:

$$\begin{array}{r} 8 \quad 10 \quad 9 \quad 3 \quad 6 \quad 1 \quad 9 \quad 5 \quad 10 \\ - = \quad - = \quad + = \quad + = \quad - = \quad + = \quad - = \quad + = \quad - = \\ \hline 5 \quad 0 \quad 10 \quad 9 \quad 3 \quad 8 \quad 6 \quad 9 \quad 5 \end{array}$$

5. Ne kua nu langun ka me pepil ran wey keilangan ne due me ngaran dan ne insulat diyet ampew te pepil ran.

Liksiyun 29

Tuyu

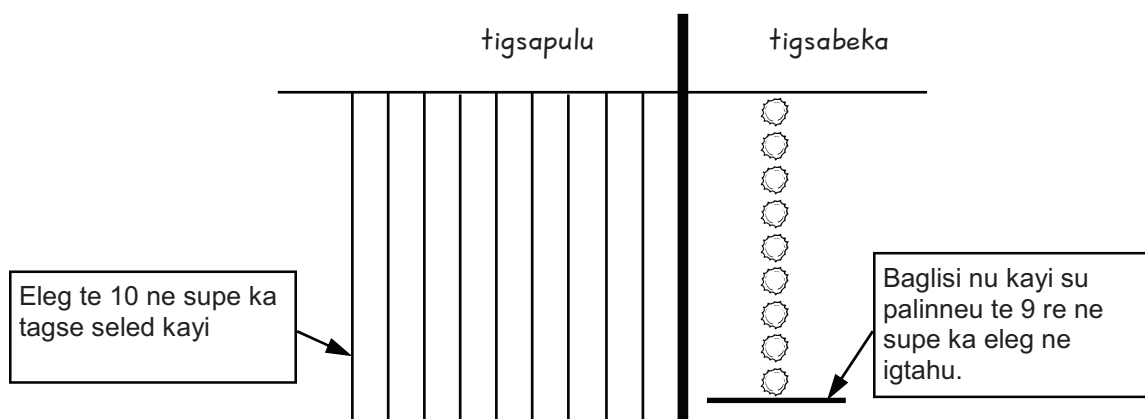
Iyan tuyu kayi su eyew egkateu pad man-e ka me istudanti te me numiru neg bunsud te 11 peendiye te 20.

Ka eg-andamen nu diye te baley

1. Basaa nud e hun-eyi seini se liksiyun su bayew e malised. Emun keg kabasa nud e seini, kenad e ne malehen diyet keykew te egpanulu te me istudanti su natuenan nud man-e daan.
2. Kuwa ka te me supe te me butilya wey ke due deisek ne tabla. Piru ke ware, egkaayun degma ne iyan nu eggamiten ka lamisa.

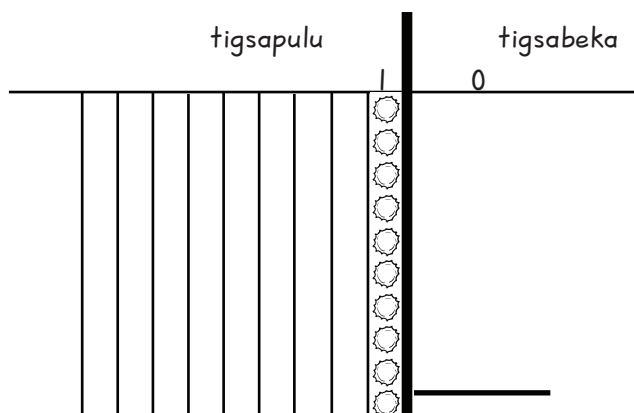
Egmenuwen teg panulu te liksiyun

2. Idruwing nu seini diyet lamisa, wey ke diye naa te tabla ne maluag ka iling kayi:

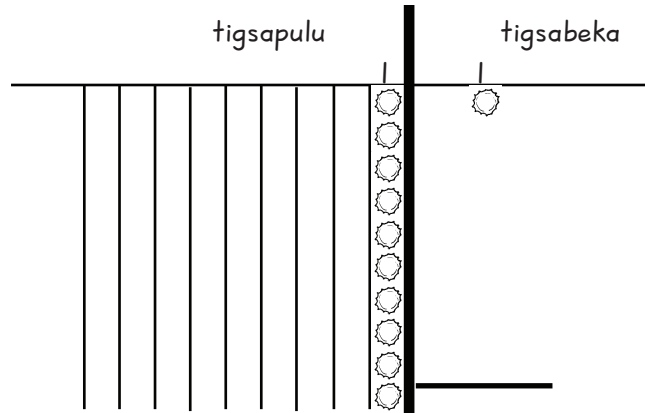


Tahui nu te sabekan linya te me supe ka diyet igkakawanan nu, ne limang te impaayun ne imbaglis. Keilangan ne 9 re ne me supe ka iglina nu. Ne kahii nu sikandan te seinin sistima, 9 re ne supe ka igtahu ta ke diye lenged te igkakawanan.

3. Ne timuli nud e man-e te 1 ne supe ka diyet inlina nu su eyew egkeyimu e ne 10. Piru kahii nu sikandan te, “Tenged su kene ma egkeeleg ka 10 ne supe kayi te igkakawanan, keilangan ne diye tad igtahu seini te igkahibang ne impaayun teg baglis su eleg te 10 ka igkatahu. Ne kuan naa ka me supe ne inlina nu wey halina nud diyet igkahibang ne eleg neg katahuan te 10. Ne kahii nud e man-e sikandan te, “Sabeke e ne grupu seini su 10 man-e, ne diye te igkakawanan, warad e degma.”

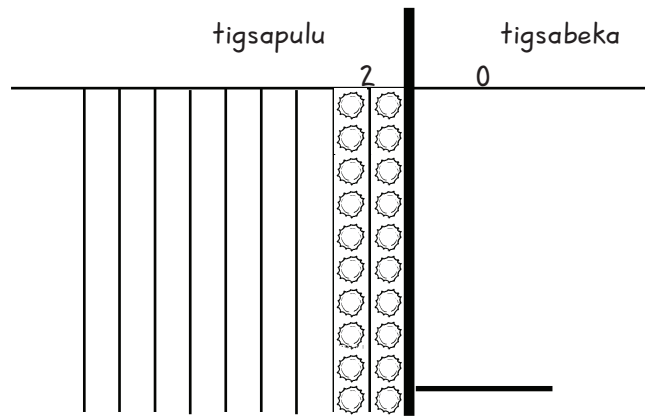


3. Ne tahui nud e man-e te 1 diyet kawanan (tigsabeka) ne intahuan nu red te hun-a. Ne kahii nud e man-e sikandan te, “Duen e sabekan grupu te 10 diyet igkahibang, piru duen e man-e sabeka diyet igkakawanan.” Panulua nu sikandan te 11 langun, wey isulat nu seini diyet bulakbud:



4. Panulua nu sikandan te sabeke e ne grupu ka 10 diye te (tigsapulu), neg timulan nud man-e te 1 diyet igkakawanan te (tigsabeka), egkeyimu e sikandan ne 12 langun. Ne pabulusi nu teg timul-timul ka diyet igkakawanan taman teg gingume e man-e te siyew, ne emun keg pegtimulen egkeyimu e ne 19 langun.

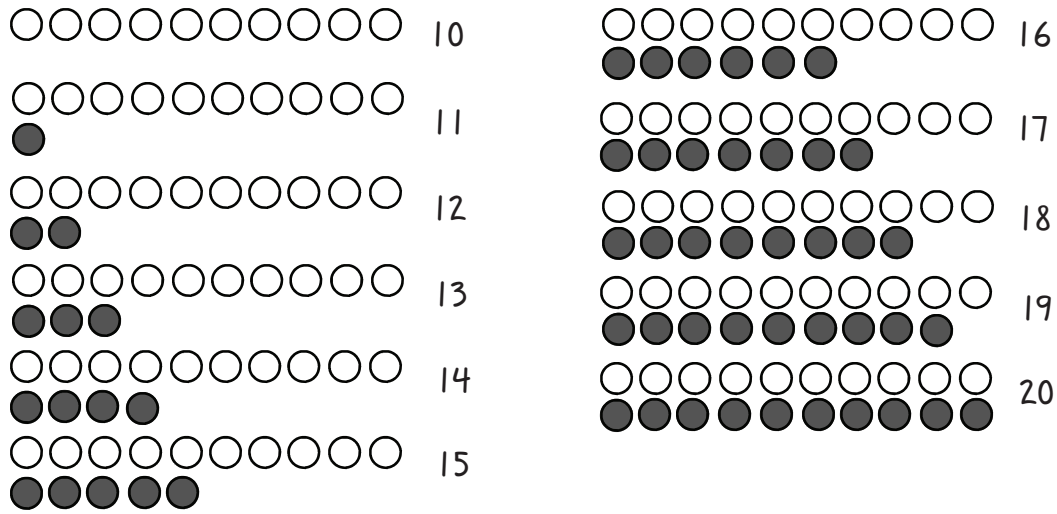
5. Emun ke 9 e man-e ka diyet igkakawanan, tahui nud e man-e te 1 su eyew egkeyimu e ne 10. Ne emun keg 10 e, halina nud e man-e diyet sabekan baglis te igkahibang nu ne lenged te sabekan grupu te inhalin nu te hun-a. Neg keyimu e man-e ne warad tahu diyet igkakawanan su inhalin nud man-e te nekeyingume e te 10 langun su 9 man de ka eleg ne igtahu diyet kawanan.



6. Pabulusi nu kag ilingen kayi taman te 30. Ne pabasaa nud man-e ka me istudanti te me numiru.
7. Liblibera nu kag ilingen kayi taman teg kateu ran e langun.

Duen pad diyet limang 🖐🖐🖐

8. Idruwing nu seini diyet bulakbud:



9. Ipanulu nu kandan ka iling kayi piru gamita nu ka indruwing nu diyet bulakbud. Insei nu sikandan ke pila ka malibusen diye te an-anayan ne linya diyet dibabew (10). Sabeke e ne grupu sika se 10 su ware ma nasame. Ne sikan naa ka kaluwasan te 10, sabekan grupu su ware ma nasame.

Ne diyet igkarangeb ne linya, pilaa ne grupu te 10? (1). Ne pilaa regma ka meitem ne malibusen? (1). Ne ke due sabekan grupu te 10, neg timulan te 1 ne malibusen, pila naan e langun? (11). Ne tinurua nud ka numiru 11 wey kahii nu sikandan te, ka kaluwasan te 11, due sabekan grupu te 10 ne due nasame ne 1.

Abayi nu red man-e sikandan teg inse, pila naan e man-e ne grupu te 10 ka diyet igkatelu ne linya? (1). Ne ke due sabekan grupu te 10, neg timulan te 2, pila naan e langun? (12). Ne tinurua nud ka numiru 12 wey kahii nu sikandan te, ka kaluwasan te 12, due sabekan grupu te 10 ne due nasame ne 2.

Ne emun keg pekeuma kad te numiru 20, insei nud e man-e sikandan ke pile e ne grupu te 10 kayi? (2). Ne pilaa ka nasame? (Ware). Ne ke due daruwan grupu te 10, pila naan e langun? (20). Ne tinurua nud ka numiru 20 wey kahii nu sikandan te, ka kaluwasan te 20 su due daruwan grupu te 10 ne ware nasame. Ne seela niyu langun ka me numiru neg bunsud te 11 peendiye te 20.

Ka me asaynmin dan

Ware asaynmin dan kunttee.

Ware sulat kayi. 🙌

Liksiyun 30

Tuyu

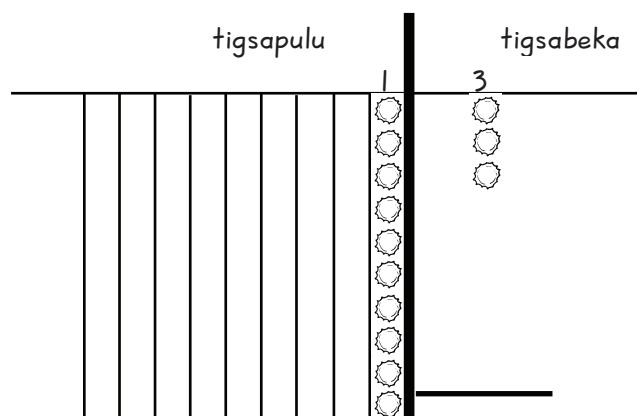
Iyan tuyu kayi su eyew egkatimulan ka natuenan dan ne me numiru neg puun te 11 peendiye te 20.

Ka eg-andamen nu diye te baley

1. Kua nu red man-e ka me supe wey ka tablan maluag wey ke lamisa naa ne inggamit nu red teg panulu te liksiyun 29.
2. Ne keilangan, basaa nud e daan seini se me liksiyun te kene pad egbunsud kag kalasi.

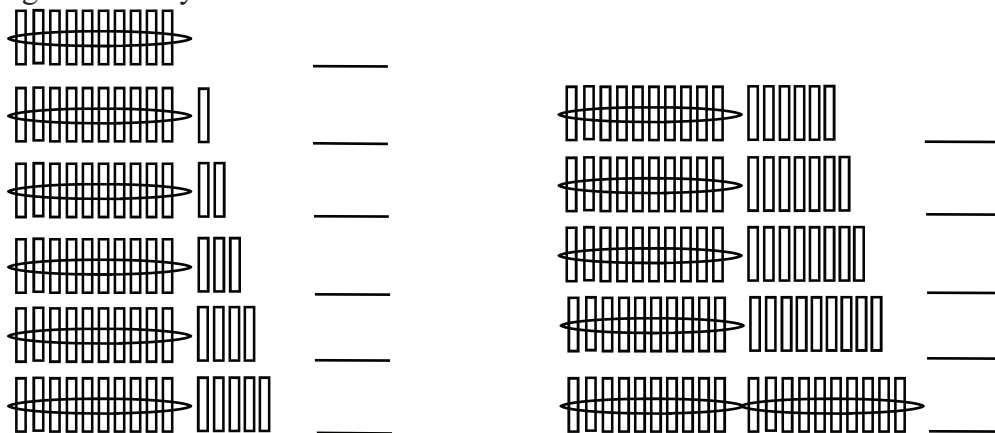
Egliberen ka miglihad ne liksiyun

1. Isulat nu ka me numiru diyet bulakbud wey ipaseel nu kandan.
2. Ne libera nud e man-e teg gimu ka iling te inggimu nu te liksiyun 29 neg puun te numiru 11 peendiye te 20.
Iling kayi ne druwing:
Ispurtanti neg pakaangey sikandan kayi keg menuwen.



Egmenuwen teg panulu te liksiyun

1. Idruwing nu seini diyet bulakbud:



Ne kahii nu sikandan te ka indruwing nu diyet bulakbud, me bagkes te me kayu. Te an-anayan, pitawa niyu ka me binagkes te kayu ne indruwing nu diyet bulakbud. Ne insei nu sikandan ke pila ne bagkes te kayu ka diyet indruwing nu? (1). Ne emun keg tabak sikandan te 1, ne isulat nu seini diyet bulakbud. Ne insei nud man-e sikandan ke pila ne kayu ka ware bagkesi? (Ware). Ne isulat nu ka 0 diyet kewun-aan te 1 su eyew egkeyimu e ne 10. Ne insei nud sikandan ke pile e ne bagkes te 10 sika, ne ware nasame. (1) Ilinga nu kayi puun te 11 peendiye te 20.

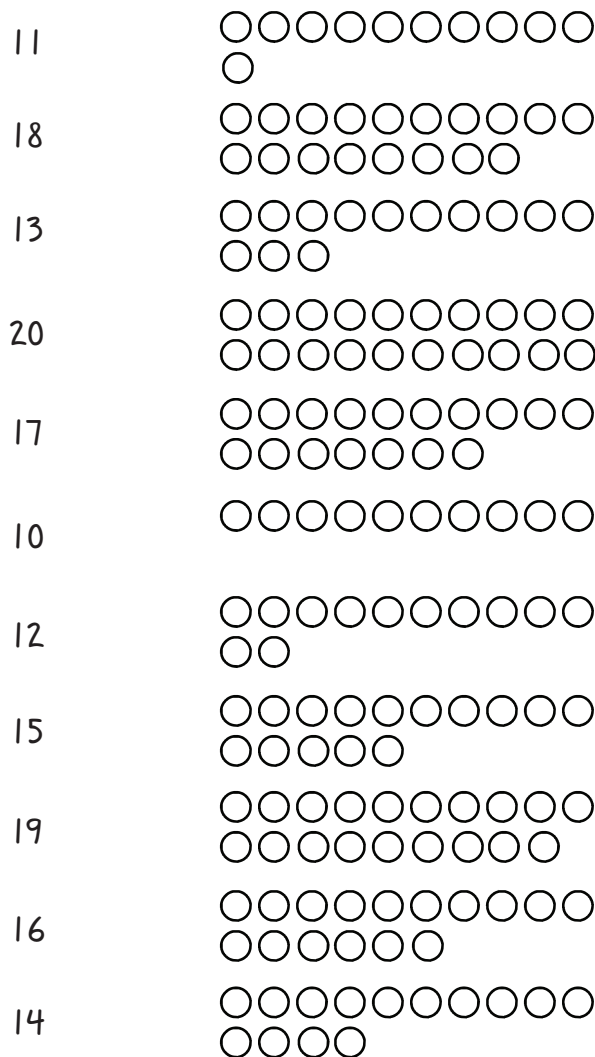
2. Ne palihawanga nu sikandan su egpakuen te me panunggilingan ne iling te batu, kayu, derewunen wey ke duen pad duma.
 Ne kahii nu kandan ka egkalain-lain ne me numiru neg puun te 11 peendiye te 20. Ne emun keg kahi ka te numiru 14, keilangan ne sabekan grupu ka igtahu dan piru ipalain nu kandan ka 4 ne subla. Iling kayi ka panunggilingan:



Masaliha nu kag ilingen kayi piru lain-lain ne me numiru.

Ka me asaynmin dan

Isulat nu ka me numiru neg ilingen te seini te diralem, wey padruwanga nu sikandan te malibusen ne igpeinsaktu nu ka malibusen te ne numiru ne insulat nu. Emun ke 11 ne numiru ka insulat nu, keilangan ne 11 degma ka malibusen ne igdruwing dan. Piru keilangan ne lain ne grupu ka 10 ne lain e degma ka 1 piru 11 langun sikandan keg seelen.



Liksiyun 31

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg seel wey egsulat te me numiru puun te 1 taman te 49.

Ka eg-andamen nu diye te baley

Kua nu red man-e ka me supe wey ka maluag ne tabla, wey ke lamisa ne inggamit nu red te hun-a ne liksiyun.

Egliberen ka miglihahad ne liksiyun

Idruwing nu seini diyet bulakbud:

○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ 13
● ● ●

Ne insei nu sikandan ke nekey-a ka kaluwasan te 13. (Sabekan grupu te 10 wey due nasame ne 3.)

○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ 15
● ● ● ● ●

Insei nu red man-e sikandan ke nekey-a ka kaluwasan te 15. (Sabekan grupu te 10 wey due nasame ne 5.)

Ne liberanu kag ilingen kayi taman teg kateu e sikandan kayi.

Egmenuwen teg panulu te liksiyun

1. Seel kew langun te me numiru neg bunsud te 1 peendiye te numiru 50.
2. Kua nud ka me supe wey ka tabla wey ke lamisa nu. Ne panulua nud e man-e sikandan te me numiru neg bunsud te 21 peendiye te 50, piru iyan nu gamita ka me supe teg panulu kandan. Iling kayi:

Isulat nu diyet bulakbud ka me numiru neg bunsud te 0 peendiye te 9. Kahii nu sikandan te emun ke egkateu ran e neg sulat te me numiru neg bunsud te 0 peendiye te 9, egpakasulat dan e te minsan nekey ne numiru. Piru iyan dan pad keneg katuenan ke nekey ka me igparis dan ne me numiru.

3. Isulat nu seini diyet bulakbud:

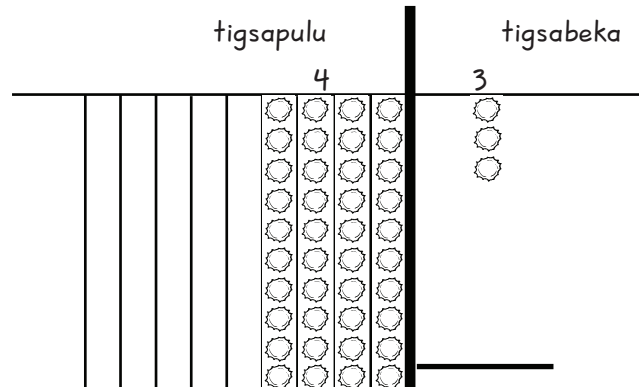
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |

Seela niyu ka me numiru neg bunsud te 0 peendiye te 9. Neg kataman, sulati nu te 1 ka tagse igkahibang te me numiru te igkarangeb ne linya su eyew egkeyimu e ne 10 peendiye te 19. Panulua nu sikandan te ka kaluwasan te “ 1 ”, sabekan grupu te 10.

Neg kataman, sulati nud e man-e te numiru 2 ka tagse igkahibang te me numiru te igkatelu ne linya su eyew egkeyimu e ne 20 peendiye te 29. Ne panulua nud man-e sikandan te ka kaluwasan te “ 2 ”, daruwan grupu te 10.

Ne sulati nud e man-e te numiru 3 ka tagse igkahibang te me numiru te igkeep-at ne linya su eyew egkeyimu e ne 30 peendiye te 39. Ne panulua nu sikandan man-e te ka kaluwasan te “ 3 ”, tatelun grupu te 10. Ne ka numiru 4 ne igsulat nu, diye nud e degma isulat te igkalimma ne linya su eyew egkeyimu e ne 40 peendiye te 49.

4. Kuwa ka te me supe wey ka kayu. Panulua nu man-e sikandan te me numiru 21 pendiye te 49, piru gamit ka te me supe iling kayi:



Liblibera nu kag ilingen kayi taman teg kateu ran e langun.

Ka me asaynmin dan

1. Pasulata nu sikandan langun te me numiru neg bunsud te 0 peendiye te numiru 49.
2. Pakua nu sikandan te me pepil ran wey ipasulat nu kandan ka igkahi nu neg kalain-lain ne me numiru.
3. Susulat ka teg kalain-lain ne me numiru diyet bulakbud wey panginsei nu sikandan ke nekey ka me numiru ne insulat nu. Ipalalag nu re kandan ka me ansil ran.
4. Kene kag kalingew neg pitew te me ansil ran.

Liksiyun 32

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg seel te me numiru taman te 99. Ne ka igkarangeb ne tuyu kayi su eyew egpekeila ran te me numiru neg bunsud te 50 peendiye te 99.

Ka eg-andamen nu diye te baley

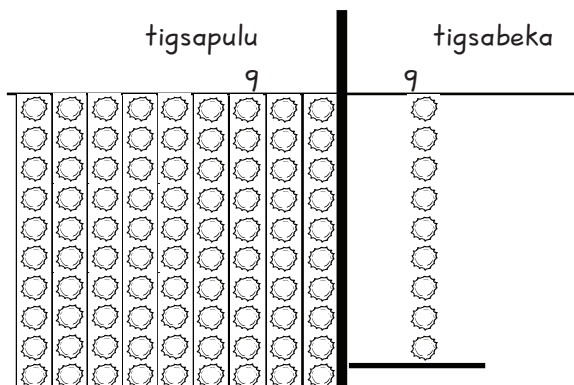
Kua nu red man-e ka me supe wey ka maluag ne tabla wey ke lamisa naa ne inggamit nu red te hun-a ne liksiyun.

Egliberen ka miglihad ne liksiyun

1. Susulat ka diyet bulakbud teg kalain-lain ne me numiru neg bunsud te 21 peendiye te 49. Ne ipalalag nu re kandan ke nekey ne me numiru ka insulat nu.
2. Pakua nud e man-e sikandan te me pepil ran wey ipasulat nu ka egkalain-lain ne me numiru neg bunsud te 21 peendiye te 49 ne ingkahi nu. Kataman, pitawa nu ka insulat dan.
3. Ne emun keg pekeimpus kew e, isulat nud e man-e diyet bulakbud ka me numiru ne ingkahi nu. Neg kataman, insei nu sikandan ke pilan grupu te 10 ka me numiru ne tagse ingkahi nu wey ke pila ka nasame. Panunggilingan iling kayi:
35 Saatu-pa, tatelu ne grupu te 10 wey due nasame ne 5.

Egmenuwen teg panulu te liksiyun

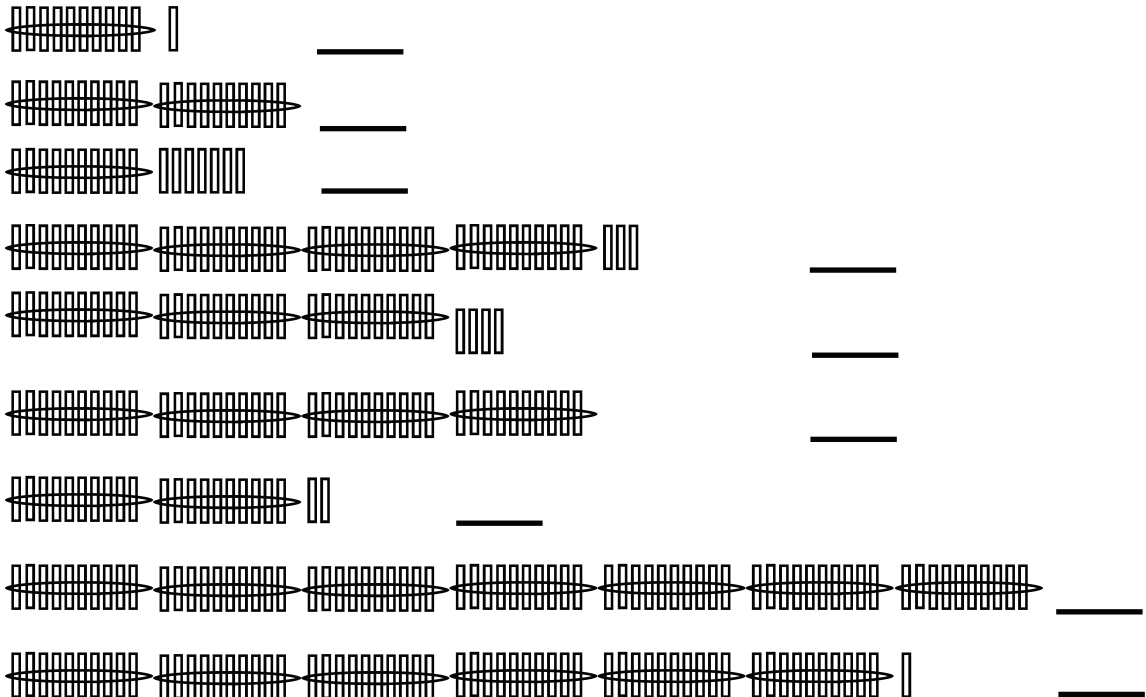
- a. Panulua nud e man-e sikandan te me numiru neg bunsud te 50 peendiye te 99, iling te pegpanulu nu te numiru 21 peendiye te 49 diyet liksiyun 31. Iling kayi:
 - a) Meemena niyu teg seel langun ka me numiru neg bunsud te 50 peendiye te 99.
 - b) Gamita nu red ka maluag ne tabla wey ke lamisa wey ka me supe ne inggamit nu red te hun-a. Ne panulua nu sikandan te me kaluwasan te me numiru neg gamiten kayi:
 - c) Ne panulua nu red man-e sikandan te kaluwasan te 50. Ka kaluwasan te 50, su 5



ne grupu te 10 ne ware nasame, piru ka kaluwasan te 51, 5 ne grupu te 10 piru due nasame ne 1. Ne pabulusi nu sikandan teg panulu teg ilingen kayi taman teg kateu e sikandan.

Ka me asaynmin dan

1. Idruwing nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran ke pila ne bagkes ka tigsapulu wey ke pila ka nasame ne ware nabagkes:



2. Pasulata nu sikandan diyet pepil ran te me numiru neg bunsud te 1 peendiye te numiru 99.
3. Pakua nu man-e sikandan te me pepil ran wey ipasulat nu kandan ka me numiru ne igkahi nu neg bunsud te 50 peendiye te 99 piru megsewuha nu teg pangngaran ka me numiru.
- d. Gamita nu teg inse ka me inse kayit diralem wey ipalalag nu re kandan ka me ansil ran:
 - d) Pilaa ne grupu te 10 ka numiru 76?
 - e) Nekey-a ne numiru kag pakasinundul te numiru 35?
 - f) Nekey-a ne numiru kag kasinundulan te numiru 63?
 - g) Nekey-a ne numiru kag kasinundulan te numiru 79?
 - h) Nekey-a ne numiru kag pakasinundul te numiru 90?
 - i) Timuli niyu te sabekan grupu te 10 ka numiru 39.
 - j) Nekey-a ne numiru ne due 3 ne grupu te 10 wey due nasame ne 8?
5. Keilangan neg pitawen nu ka me asaynmin dan.
6. Ne kahii nud e man-e sikandan te sunud ne liksiyun, due malepet ne tis meytenged te langun ne me numiru neg bunsud te 1 peendiye te 99.

Liksiyun 33

Tuyu

Iyan tuyu kayi su eyew egbehayan sikandan te malepet ne tis su eyew egkatuenan nu degma ke duen e natuenan dan te me numiru neg bunsud te 1 peendiye te 99. Ka igkarangeb ne tuyu kayi su eyew egkateu sikandan neg pegtimul wey eg-awe te me numiru taman te 11.

Egliberen ka miglihad ne liksiyun

1. Ne insulat nud man-e diyet bulakbud ka egkalain-lain ne me numiru neg bunsud te 51 peendiye te 99 wey ipakahi nu re kandan ke nekey ne me numiru sika se insulat nu.
2. Ne insei nud man-e sikandan ke pila ne grupu te 10 ka tagse me numiru ne insulat nu diye te bulakbud wey ke pila ka nasame. Panunggilingan iling kayi:
56 Saatu-pa, 5 ne grupu te 10 wey due nasame ne 6.

Egmenuwen teg panulu te liksiyun

1. Ipasulat nu te me istudenti ka me ngaran dan diyet dibabew te me pepil ran.
- b. Ne basaa nu ka me inse kayi te diralem wey paansili nu kandan diyet me pepil ran:
 - b) Nekey-a ne numiru ka due 3 ne grupu te 10 wey due egkasame ne 2?
 - c) Pilaa ne grupu te 10 ka numiru 46?
 - d) Nekey-a ne numiru kag pakasinundul te numiru 37?
 - e) Nekey-a ne numiru kag kasinundulan te numiru 75?
 - f) Nekey-a ne numiru kag pakasinundul te numiru 49?
 - g) Nekey-a ne numiru kag kasinundulan te numiru 60?
 - h) Timuli nu te sabekan grupu te 10 ka numiru 53, ne nekey-a ka iyam ne numiru?
 - i) Nekey-a ne numiru ka subla sikandin te 10 te numiru 35?
 - j) Nekey-a ne numiru ka due 2 ne grupu te 10 wey due nasame ne 7?
 - k) Nekey-a ne numiru kag kakulangan e sikandin te 10 te numiru 56?
 - l) Ipasulat nu kandan seini se me numiru:
 hen-em ne pulu wey siyew
 hep-at ne pulu wey walu
 pitumpulu
 daruwampulu wey lalimma
 sapulu wey daruwa.
3. Limura nu langun sika se me pepil ran wey ibehey nu diyet **supervisor** keg gendiye te kaniyu.

4. Isulat nu man-e seini se me numiru diyet bulakbud wey ansili niyu piru ilalag niyu re ka me ansil niyu:

| | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 7 | 8 | 10 | 4 | 9 | 3 | 6 | 4 | 10 |
| <u>-2</u> | <u>+2</u> | <u>-1</u> | <u>+5</u> | <u>-6</u> | <u>+4</u> | <u>-3</u> | <u>+6</u> | <u>-3</u> |

5. Idrwing nu seini diyet bulakbud wey paansili nu kandan piru ipalalag nu re kandan:

| | | | |
|-------------------------|-------------|---------------------|-------------|
| ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ | ☆☆ | ○ ○ ○ ○ ○ ○ ○ ○ ○ ○ | ○○○ |
| 9 + 2 = ___ | 2 + 9 = ___ | 8 + 3 = ___ | 3 + 8 = ___ |
| □ □ □ □ □ □ □ □ | □ □ □ □ | △ △ △ △ △ △ △ △ | △ △ △ △ △ △ |
| 7 + 4 = ___ | 4 + 7 = ___ | 6 + 5 = ___ | 5 + 6 = ___ |

6. Panulua nu sikandan te ka egpegtimulen, kabalintuaran ded sikandin te eg-awaan. Isulat nu seini diyet bulakbud:

Langun te seini se egpangansilan, nekeg-iling ka me numiru piru iyan de ware

$$6 + 5 = \underline{\quad} \quad 11 - 5 = \underline{\quad}$$

$$5 + 6 = \underline{\quad} \quad 11 - 6 = \underline{\quad}$$

nekeg-iling kag katahuan te me numiru.

6. Isulat nu red man-e seini diyet bulakbud wey ipalalag nu re kandan ka me ansil kayi: Ne liblibera nu kag ilingen kayi taman teg kateu e ka me istudanti.

| | | | |
|-------------|--------------|--------------|---------------|
| 6 + 5 = ___ | 11 - 5 = ___ | | |
| 5 + 6 = ___ | 11 - 6 = ___ | | |
| 7 + 4 = ___ | 11 - 4 = ___ | 8 + 3 = ___ | 11 - 3 = ___ |
| 4 + 7 = ___ | 11 - 7 = ___ | 3 + 8 = ___ | 11 - 8 = ___ |
| 9 + 2 = ___ | 11 - 2 = ___ | 10 + 1 = ___ | 11 - 1 = ___ |
| 2 + 9 = ___ | 11 - 9 = ___ | 1 + 10 = ___ | 11 - 10 = ___ |

Ka me asaynmin dan

Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran: Kene kag kalingew neg pitew te me asaynmin dan.

| | | | | | | | | | |
|------------|------------|------------|------------|------------|-----------|------------|------------|------------|------------|
| 11 | 6 | 11 | 5 | 11 | 7 | 11 | 4 | 11 | 11 |
| <u>- 1</u> | <u>+5</u> | <u>-10</u> | <u>+6</u> | <u>- 2</u> | <u>+4</u> | <u>- 9</u> | <u>+7</u> | <u>- 8</u> | <u>- 3</u> |
| 8 | 11 | 3 | 11 | 11 | 9 | 11 | 10 | 2 | 11 |
| <u>+3</u> | <u>- 7</u> | <u>+8</u> | <u>- 4</u> | <u>- 5</u> | <u>+2</u> | <u>- 6</u> | <u>+ 1</u> | <u>+9</u> | <u>- 0</u> |

Liksiyun 34

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg peg-awe wey egpegtimul te me numiru puun te 1 taman te 12. Ne ka igkarangeb ne tuyu kayi su eyew egkateu sikandan neg seel te me numiru puun te 1 taman te 50, piru egbiniseyeen niyu pad kuntee teg seel.

Ka eg-andamen nu diye te baley

1. Derakela nu teg sulat ka me numiru diyet pepil nu. Ilinga nu kayi:

| | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|
| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
| 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 |
| 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 |
| 30 | 31 | 32 | 33 | 34 | 35 | 36 | 37 | 38 | 39 |
| 40 | 41 | 42 | 43 | 44 | 45 | 46 | 47 | 48 | 49 |
| 50 | | | | | | | | | |

2. Himu kad e man-e te me **flashcards** neg ilingen kayi:

| | | | | | | | | | | |
|----|----|----|----|----|----|-----|----|----|-----|----|
| 6 | 7 | 8 | 9 | 10 | 5 | 4 | 3 | 2 | 1 | 11 |
| +5 | +4 | +3 | +2 | +1 | +6 | +7 | +8 | +9 | +10 | -5 |
| 11 | 11 | 11 | 11 | 11 | 11 | 11 | | | | |
| -6 | -3 | -8 | -2 | -9 | -1 | -10 | | | | |

Egliberen ka miglihad ne liksiyun

- Ne kua nu ka me **flashcards** ne inggimu nu wey ipapitew nu man-e kandan. Paansila nu sikandan piru ipalalag nu re kandan.
- Ne susulat kad e man-e te me numiru neg bunsud te 1 peendiye te numiru 10 wey ipaseel nu kandan te egbiniseyeen.

Egmenuwen teg panulu te liksiyun

Ka me Biniseye ne me numiru puun te 11 taman te 50

- Kua nu ka pepil ne insulatan nu te me numiru ne migbunsud te 11 peendiye te 50. Diye ka bunsud te numiru 11 kag seel teg Biniseyeen. Neg kataman, sikandan e kag paseelen nu te me numiru, ne wey nu penpeneki sikandan teg panulu keg pakaangey ran e due.
- Ne pakua nud man-e sikandan te me pepil ran wey ipasulat nu kandan ka me numiru ne igkahi nu. Ne kene ka egkalingew neg panguwa te me pepil ran wey egpitew.

Pegtimulen wey eg-awaan ne me numiru puun te 1 taman te 12

1. Idrawing nu seini diyet bulakbud wey paansili nu kandan piru ipalalag nu re kandan:

| | | | |
|---------------|---------------|-------------------|--------------|
| ☆ ☆ ☆ ☆ ☆ ☆ ☆ | ☆ ☆ ☆ ☆ ☆ ☆ ☆ | ○ ○ ○ ○ ○ ○ ○ | ○ ○ ○ ○ ○ |
| 6 + 6 = ___ | 12 - 6 = ___ | 7 + 5 = ___ | 15 + 7 = ___ |
| △ △ △ △ △ △ △ | △ △ △ △ | □ □ □ □ □ □ □ □ □ | □ □ □ |
| 8 + 4 = ___ | 4 - 8 = ___ | 9 + 3 = ___ | 3 + 9 = ___ |

- b. Basei nu man-e sikandan te me guhuren kayi wey paansili nu kandan piru ipalalag nu re kandan teg ansil:
- b) Due imbeli ni Anung ne 8 ne putus te paan, piru migbebeli bes degma ka hari rin te 4 ne putus te paan. Ne pila naa langun ne putus te paan ka nabeli ran?
- c) Nakaheed si Maning te 9 ne geed ne igsungkaleg din, piru 12 langun ka egkahamit din ne igbebaley rin. Ne pila naan de langun ka eggeeren ni Maning ne igtmul rin?
3. Idruwing nu man-e seini diyet bulakbud piru impegsewug ka egpegtimulen wey ka egawaan. Ne paansili nu kandan piru ipalalag nu re kandan teg ansil:

$$\begin{array}{l} \square\square\square\square\square\square \quad \square\square\square\square\square\square \\ 6 + 6 = \underline{\quad} \quad 12 + 0 = \underline{\quad} \\ 12 - 6 = \underline{\quad} \quad 12 - 0 = \underline{\quad} \\ \square\square\square\square\square\square\square\square \quad \square\square\square\square \\ 8 + 4 = \underline{\quad} \quad 14 + 8 = \underline{\quad} \\ 12 - 4 = \underline{\quad} \quad 12 - 8 = \underline{\quad} \end{array}$$

$$\begin{array}{l} \bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc\bigcirc \quad \bigcirc\bigcirc\bigcirc\bigcirc\bigcirc \\ 7 + 5 = \underline{\quad} \quad 15 + 7 = \underline{\quad} \\ 12 - 5 = \underline{\quad} \quad 12 - 7 = \underline{\quad} \\ \triangle\triangle\triangle\triangle\triangle\triangle\triangle\triangle\triangle \quad \triangle\triangle\triangle \\ 9 + 3 = \underline{\quad} \quad 13 + 9 = \underline{\quad} \\ 12 - 3 = \underline{\quad} \quad 12 - 9 = \underline{\quad} \end{array}$$

Libera nu kag ilingen kayi su eyew mahaan dan de egkateu.

Ka me asaynmin dan

3. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

$$\begin{array}{r} 6 \quad 7 \quad 9 \quad 8 \quad 5 \quad 1 \quad 4 \quad 3 \\ + \square \quad + \square \quad + \square \quad + \square \quad + \square \quad + \square \quad + \square \quad + \square \\ \hline 12 \quad 12 \quad 12 \quad 12 \quad 12 \quad 12 \quad 12 \quad 12 \\ \\ 2 \quad 3 \quad 4 \quad 9 \quad 6 \quad 2 \quad 7 \quad 8 \\ + \square \quad + \square \quad + \square \quad + \square \quad + \square \quad + \square \quad + \square \quad + \square \\ \hline 12 \quad 11 \quad 11 \quad 11 \quad 11 \quad 11 \quad 11 \quad 11 \end{array}$$

4. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

5. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

$$\begin{array}{l} 4 + 7 = \underline{\quad} \quad 5 + \underline{\quad} = 11 \quad 6 + 6 = \underline{\quad} \quad 6 + \underline{\quad} = 12 \\ 8 + 3 = \underline{\quad} \quad 7 + \underline{\quad} = 11 \quad 7 + 5 = \underline{\quad} \quad 7 + \underline{\quad} = 12 \\ 2 + 9 = \underline{\quad} \quad 8 + \underline{\quad} = 11 \quad 8 + 4 = \underline{\quad} \quad 8 + \underline{\quad} = 12 \\ 5 + 6 = \underline{\quad} \quad 9 + \underline{\quad} = 11 \quad 9 + 3 = \underline{\quad} \quad 9 + \underline{\quad} = 12 \end{array}$$

4. Kene ka egkalingew neg pitew te me ansil ran.

$$\begin{array}{l} 12 \quad 11 \quad 12 \quad 11 \quad 12 \quad 11 \quad 12 \quad 11 \quad 12 \quad 11 \\ - 3 \quad - 4 \quad - 5 \quad - 6 \quad - 7 \quad - 8 \quad - 9 \quad - 10 \quad - 11 \quad - 11 \\ \\ 12 \quad 11 \quad 12 \quad 11 \quad 12 \quad 12 \quad 12 \quad 11 \quad 12 \quad 12 \\ - 2 \quad - 3 \quad - 1 \quad - 2 \quad - 4 \quad - 12 \quad - 6 \quad - 5 \quad - 8 \quad - 10 \end{array}$$

Liksiyun 35

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg pegtimul wey eg-awe te me numiru puun te 1 taman te 13. Ne igkarangeb ne tuyu kayi su eyew egpakabebasbas man-e sikandan neg seel te me Biniseye ne numiru.

Ka eg-andamen nu diye te baley

1. Himu kad e man-e te me **flashcards** neg ilingen kayi:

| | | | | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 6 +6 | 7 +5 | 5 +7 | 8 +4 | 4 +8 | 9 +3 | 3 +9 | 10 + 2 | 2 +10 | 12 + 0 | 0 +12 |
| 12 - 0 | 12 -12 | 12 - 2 | 12 -10 | 12 - 3 | 12 - 9 | 12 - 4 | 12 - 8 | 12 - 5 | 12 - 7 | 12 - 6 |

2. Ne kua nud e man-e ka pepil nu ne insulatan nu te me numiru neg puun te 1 peendiye te 50.

Egliberen ka miglihad ne liksiyun

1. Ipabasa nu te me istudanti teg Biniseyeen ka me numiru neg tinuruen nu.
2. Ne pakua nu man-e sikandan te me pepil ran wey ipasulat nu kandan ka egkalain-lain ne me numiru ne igkahi nu, piru Biniseye ne me numiru.
3. Ne kua nu ka **flashcards** ne inggimu nu te liksiyun 34 wey ka iyam man-e ne **flashcards** ne inggimu nu wey pegsewuha nu.
4. Ne ipapitew nu naa te me istudanti ka me **flashcards** wey paansili nu kandan piru ipalalag nu re kandan teg ansil. Liblibera nu teg iling due ne tis su eyew egmeiyal e sikandan neg ansil. Neg kaayun man-e neg baaren nu ka me istudanti eyew egpegsaliyen nud e man-e sikandan.





Egmenuwen teg panulu te liksiyun

Ka me numiru 31 peendiye te 50 ne Biniseye

1. Ne kua nud man-e ka pepil ne impanulatan nu te me numiru ne inderakel nu wey ipakahi nu kandan ke nekey ne numiru kag tinuruen nu. Piru ipabiniseye nu kandan.
2. Pakua nud e man-e sikandan te pepil ran wey ipasulat nu diyet pepil ran ka egkalain-lain ne me numiru ne igkahi nu.

Ka egpegtimulen wey ka eg-awaan ne me numiru taman te 13

1. Idruwing nu seini diyet bulakbud wey paansili nu kandan piru ipalalag nu re kandan teg ansil. Abayi nu kag ilingen kayi eyew egkateu e sikandan.

| | | | |
|---|---|--|---|
|  |  |  |  |
| $6 + 7 = \underline{\quad}$ | $7 + 6 = \underline{\quad}$ | $8 + 5 = \underline{\quad}$ | $5 + 8 = \underline{\quad}$ |
| | $9 + 4 = \underline{\quad}$ | $4 + 9 = \underline{\quad}$ | |

2. Isulat nud e man-e seini diyet bulakbud wey paansili nu kandan piru ipalalag nu re kandan teg ansil:

$$\begin{array}{r} 6 \\ +\square \\ \hline 13 \end{array} \quad \begin{array}{r} 6 \\ +\square \\ \hline 13 \end{array} \quad \begin{array}{r} 6 \\ +\square \\ \hline 13 \end{array} \quad \begin{array}{r} 6 \\ +\square \\ \hline 13 \end{array} \quad \begin{array}{r} 6 \\ +\square \\ \hline 13 \end{array} \quad \begin{array}{r} 6 \\ +\square \\ \hline 13 \end{array}$$

3. Idrwing nu man-e seini diyet bulakbud wey paansili nu kandan piru ipalalag nu re kandan teg ansil. Wey liblibera nu kag ilingen kayi su eyew mahaan dan egkateu.

| | | | |
|------------------------------|------------------------------|------------------------------|------------------------------|
| ☆☆☆☆☆☆ | ☆☆☆☆☆☆ | △△△△△△△△ | △△△△△△ |
| $6 + 7 = \underline{\quad}$ | $7 + 6 = \underline{\quad}$ | $8 + 5 = \underline{\quad}$ | $5 + 8 = \underline{\quad}$ |
| $13 - 7 = \underline{\quad}$ | $13 - 6 = \underline{\quad}$ | $13 - 5 = \underline{\quad}$ | $13 - 8 = \underline{\quad}$ |
| ◇◇◇◇◇◇◇◇ | | ◇◇◇◇◇ | |
| $9 + 4 = \underline{\quad}$ | | $4 + 9 = \underline{\quad}$ | |
| $13 - 4 = \underline{\quad}$ | | $13 - 9 = \underline{\quad}$ | |

- d. Ne isulat nud man-e seini diyet bulakbud wey paansili nu kandan piru ipalalag nu re

$$\begin{array}{r} 13 \\ - 8 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ - 7 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ - 4 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ - 6 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ - 9 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ - 5 \\ \hline \end{array}$$

kandan teg ansil:

- e. Basei nu sikandan te me guhuren kayi wey paansili nu kandan piru ipalalag nu re kandan teg ansil:
- d) Due 6 ne patuk ney, ne due degma 7 ne patuk te sumbaley ney. Ne pila naa langun ka me patuk?
- e) Due in-uyan te iney ku ne 13 ne atelug su igbelegye din diyet palingki. Piru neulug ka 5 ne atelug su natingkemed din te asu ne migpabutengey diyet lenged din. Ne pila naan de ka nasame ne atelug?

Ka me asaynmin dan

4. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran. Piru kene

| | | | | | | | | | | | |
|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| 6 | 4 | 8 | 9 | 7 | 1 | 4 | 5 | 2 | 3 | 6 | 8 |
| $+\square$ | $+\square$ | $+\square$ | $+\square$ | $+\square$ | $+\square$ | $+\square$ | $+\square$ | $+\square$ | $+\square$ | $+\square$ | $+\square$ |
| $\hline 13$ | $\hline 13$ | $\hline 13$ | $\hline 13$ | $\hline 13$ | $\hline 13$ | $\hline 13$ | $\hline 13$ | $\hline 13$ | $\hline 13$ | $\hline 13$ | $\hline 13$ |
| | | | | | | | | | | | |
| 13 | 5 | 12 | 9 | 12 | 6 | 12 | 4 | 13 | 4 | 12 | 2 |
| $-\underline{8}$ | $+\underline{8}$ | $-\underline{7}$ | $+\underline{3}$ | $-\underline{5}$ | $+\underline{7}$ | $-\underline{6}$ | $+\underline{8}$ | $-\underline{7}$ | $+\underline{9}$ | $-\underline{3}$ | $+\underline{9}$ |
| | | | | | | | | | | | |
| 11 | 9 | 11 | 5 | 11 | 4 | 12 | 8 | | | | |
| $-\underline{8}$ | $+\underline{3}$ | $-\underline{3}$ | $+\underline{6}$ | $-\underline{6}$ | $+\underline{7}$ | $-\underline{5}$ | $+\underline{4}$ | | | | |

Liksiyun 36

Tuyu

Iyan tuyu kayi su eyew egpekeila wey egkateu ka me istudanti te rilu wey egpakabebasbas sikandan due. Ne ka igkarangeb ne tuyu kayi su eyew egkateu ran neg ngaran te me bulan.

Ka eg-andamen nu diye te baley

1. Himu kad e man-e te me **flashcards** neg ilingen kayi:

| | | | | | | | |
|--|--|--|--|--|--|--|--|
| $\begin{array}{r} 6 \\ +7 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ +6 \\ \hline \end{array}$ | $\begin{array}{r} 8 \\ +5 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ +8 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ +4 \\ \hline \end{array}$ | $\begin{array}{r} 4 \\ +9 \\ \hline \end{array}$ | $\begin{array}{r} 10 \\ + 3 \\ \hline \end{array}$ | $\begin{array}{r} 3 \\ +10 \\ \hline \end{array}$ |
| $\begin{array}{r} 13 \\ - 3 \\ \hline \end{array}$ | $\begin{array}{r} 13 \\ -10 \\ \hline \end{array}$ | $\begin{array}{r} 13 \\ - 4 \\ \hline \end{array}$ | $\begin{array}{r} 13 \\ - 9 \\ \hline \end{array}$ | $\begin{array}{r} 13 \\ - 5 \\ \hline \end{array}$ | $\begin{array}{r} 13 \\ - 8 \\ \hline \end{array}$ | $\begin{array}{r} 13 \\ - 6 \\ \hline \end{array}$ | $\begin{array}{r} 13 \\ - 7 \\ \hline \end{array}$ |

2. Kua nu ka pepil ne rilu.
3. Ne kua nud e man-e ka me pepil ne insulatan nu te me numiru puun te 1 peendiye te 50.

Egliberen ka miglihad ne liksiyun

1. Kua nu langun ka me **flashcards** ne inggimu nu te liksiyun 34 wey 35 wey pegsewuha nu. Ne baara nu naa ka me istudanti wey pegsaliya nu sikandan ke hentew ka meiyal neg ansil.
2. Ne kua nud e man-e ka pepil ne insulatan nu te me numiru neg bunsud te 31 peendiye te 50 wey ipalalag nu kandan ke nekey ne numiru ka egkalain-lanin neg tinuruen nu.

Egmenuwen teg panulu te liksiyun

1. Insei nu sikandan ke pila ne bulan ka sabekan leg-un? (12) Ne ipanulu nu kandan ka langun ne me ngaran te me bulan iling te Iniru, Pibliru, Marsu, Abril, Mayu, Hunyu, Hulyu, Agustu, Sikstimbri, Uktubri, Nubimbri, wey Disimbri.
2. Ipanulu nu kandan ka meytenged te timpu:
 - Due 12 ne bulan te tagse leg-un.
 - Due 52 ne simana te tagse leg-un.
 - Due 365 wey ke 366 ne aldew te tagse leg-un.Keilangan ne ipamimurayis nu kandan seini.

3. Ne kua nu ka rilu wey insei nu sikandan ke pilaa ne uras ka sabekan aldew? (24). Panulua nu sikandan te due 12 ne uras puun te taliware te marusilem taman te meudtu. Ne 12 regma ne uras puun te meudtu taman te taliware te marusilem. Ne saatupa, 24 langun ne uras ka sabekan aldew. Ne panulua nu man-e sikandan te ka sabekan uras, due 60 ne minutus. Ne tiglalimma ne minutus ka eletanan ne dereisek diyet rilu.

Ipanulu nu man-e kandan ka sika se malayat ne diyet rilu. Sika se malayat, iyan egtinuru te minutus, ne tagse uras, egkatileng sika intiru te rilu. Ne ka malepet degma ne diyet rilu, sika kag tinuru te uras, ne eggalin degma sikandin tagse uras. Iyan de egtinuruen due te malepet ka egpekegsinundul ne me numiru iling te 1, 2, peendiye te 12.

Panulua nu sikandan te emun ke egkatinuru e te malayat ne tinuru ka 12, ne ka malepet egpakatinuru diye te 1, 2,3 taman te 12, saatu-pa, ka tagse numiru neg galinan, insaktu e ne senge uras. Ne himu ke naa teg kalain-lain ne me uras diyet riluu nu iling kayi:

Alas 2 Alas 5 Alas 9 Ala 1 wey duma pad.

4. Ipanulu nu kandan keg menuwen teg sulat ka me uras. Ilinga nu kayi teg panulu:

Alas 2 = 2:00 Alas 5 = 5:00 Alas 9 = 9:00 Ala 1 = 1:00

Wey ka duman me uras iling ded degma kayi. Keilangan neg libliberen nu ka iling kayi taman teg kateu ran e.

Liksiyun 37

Tuyu

Iyan tuyu kayi su eyew egkatimulan ka natuenan te me istudanti meytenged te rilu.

Ka eg-andamen nu diye te baley

Kua nu man-e ka me pepil ne insulatan nu te me numiru neg bunsud te 0 peendiye te 50 wey ka pepil ne rilu.

Egliberen ka miglihad ne liksiyun

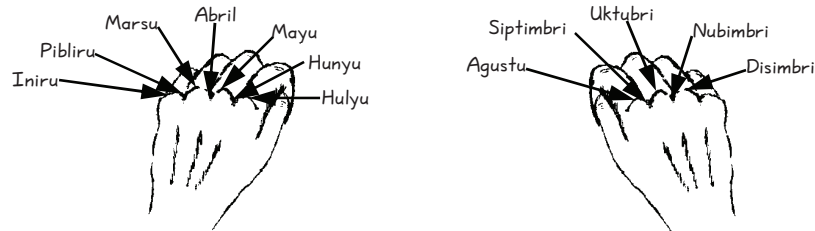
1. Libera nu ka Biniseye ne me numiru teg panulu neg bunsud te 11 peendiye te 50 iling te seeye se hun-a ne aldew.
2. Ipalalag nu sikandan diyet keykew ka me ngaran te langun ne me bulan.
3. Kua nu man-e ka rilu wey himu ka teg kalain-lain ne me uras iling kayi: Ala una, alas tris, alas kuwatu, wey duma pad ne me uras. Himu ka te iling kayi neg paansilan te me istudanti. Te an-anayan, ipalalag nu re kandan ka me ansil ran, ne emun keg kaluhey e, ipasulat nud e kandan ka me ansil ran diyet pepil ran teg ilingen kayi teg sulat:
1:00 2:00 5:00
4. Alam ka te me istudanti neg papatinuruan nu te malayat wey malepet ne tinuru te rilu ke nekey kag ngaranan nu ne uras. Panunggilingan keg kahi ka te, “Alas siti,” keilangan neg weilen din ka me tinuru te rilu wey igpatinuru dan diyet numiru ne alas siti.
5. Neg kataman, insei nud e man-e sikandan meytenged te me timpu. Panunggilingan, pila ne aldew ka sabekan leg-un?. Pilan simana ka sabekan leg-un? Wey duma pad ne me inse meytenged te timpu.

Egmenuwen teg panulu te liksiyun

Ka me bulan

5. Isulat nu ka me ngaran te langun ne me bulan diyet bulakbud wey basaa niyu. Iling kayi ka igsulat nu: Iniru, Pibliro, Marsu, Abril, Mayu, Hunyu, Hulyu, Agustu, Sikstimbri, Nubimbri, Disimbri. Malasi niyu basaa ka iling kayi su eyew egkatuenan dan e teg basa.

2. Ne ipanulu nu kandan te ka tagse bulan, egkalain-lain ka me numiru te aldew. Ne ipanulu nu man-e kandan teg kaayun neg gamit te belad dan su eyew egpasuman-suman dan ke pilan aldew ka tagse bulan. Iling kayi:



Emun ke diyet buku-buku te kemel, neelin sika ne 31 ne aldew. Piru ka diyet migbangbangalug te kemel, tig 30 re ne aldew, ware apil te Pibliku su 28 ne aldew sika wey tagse igkeep-at ne leg-un, egkatimulan te sabekan aldew ka Pibliku.

3. Due balak seini:
 30 ne aldew te bulan te Sikstimbri, Abril, Hunyu wey Nubimbri,
 Ka дума ne bulan due 31 ne aldew,
 Piru 28 de ne aldew ka bulan te Pibliku,
 Ne tagse hep-at ne leg-un, henduen pad eg-29 ne aldew.

Midya te uras

1. Kua nud e man-e ka rilu. Panulua nu sikandan te emun ke egpakatinuru e ka malayat ne diyet rilu te numiru 6, sikan e kag kahiyen ne midye e te uras.
2. Ne papitawa nu ka me istudanti nu teg kalain-lain ne uras ne due midya iling te:
 ala una midya = 1:30 alas dus midya = 2:30 wey te дума pad ne due me midya.
3. Abayi nu teg gimu ka iling kayi wey egkataman insei nu sikandan ke nekey e ne me uras ka egpatinuruan nu te rilu.
4. Kuwa ka te me istudanti neg peparaniyen nu diyet due rilu wey peyimuwa nu sikandin ke nekey ne uras wey midya ka igkahi nu kandin.
5. Panulua nu sikandan diyet bulakbud keg menuwen teg sulat ka uras wey ka me midya. Iling nu kayi:

| | |
|-----------------|------|
| Ala una midya | 1:30 |
| Alas dus midya | 2:30 |
| Alas tris midya | 3:30 |

Masuluha nu pa kag ilingen kayi ne me uras.

Ka me asaynmin dan

1. Pakua nu sikandan te me pepil ran wey ipasulat nu kandan ka langun ne igkahi nu meytenged te me bulan ke pilan aldew ka tagse bulan.
2. Himu ka te me midya te uras diyet rilu wey me uras degma wey paansili nu kandan diyet me pepil ran.
3. Ispurtanti ne kene ka egkalingew neg pitew te me asaynmin dan.

Liksiyun 38

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg peg-awe wey egpegtimul te me numiru puun te sabeka taman te 14.

Ka eg-andamen nu diye te baley

Kua nu man-e ka me **flashcards** wey ka rilu.

Egliberen ka miglihahad ne liksiyun

1. Himu ka man-e teg kalain-lain ne me uras diyet rilu wey midya te uras. Ne paansili nu te me istudanti piru ipalalag nu re kandan ka me ansil ran.
2. Ne isulat nud e man-e diyet bulakbud ka langun ne me bulan wey ipabasa nu te me istudanti.
3. Insei nu man-e sikandan ke pilan aldew ka tagse bulan. Ne paansili nu kandan piru ipalalag nu re kandan teg ansil.
4. Isulat nu diyet bulakbud ka iling kayi:
2:00 3:30
wey paansili nu kandan piru ipalalag nu re kandan teg ansil.

Egmenuwen teg panulu te liksiyun

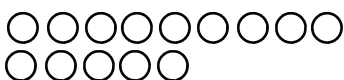
4. Kua nu man-e ka me **flashcards** wey paansila nu man-e ka me istudanti ke nekey ka igpapatuw nu kandan.
2. Idruwing nu seini diyet bulakbud wey paansili nu kandan piru ipalalag nu re kandan teg ansil:



$7 + 7 = \underline{\quad}$ $14 - 7 = \underline{\quad}$



$8 + 6 = \underline{\quad}$ $6 + 8 = \underline{\quad}$
 $14 - 6 = \underline{\quad}$ $14 - 8 = \underline{\quad}$



$9 + 5 = \underline{\quad}$ $5 + 9 = \underline{\quad}$
 $14 - 5 = \underline{\quad}$ $14 - 9 = \underline{\quad}$



$10 + 4 = \underline{\quad}$ $4 + 10 = \underline{\quad}$
 $14 - 4 = \underline{\quad}$ $14 - 10 = \underline{\quad}$

3. Isulat nud man-e seini diyet bulakbud wey paansili nu kandan piru ipalalag nu re kandan teg ansil:

$$\begin{array}{cccccccccc} 9 & 6 & 10 & 14 & 5 & 14 & 14 & 7 & 14 & 12 \\ \hline +5 & +8 & +4 & -7 & +9 & -9 & -5 & +7 & -1 & +2 \end{array}$$

Ka me asaynmin dan

1. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

$$\begin{array}{cccccccccc} 6 & 6 & 6 & 7 & 7 & 7 & 9 & 9 & 9 & 8 \\ \hline +8 & +7 & +6 & +7 & +6 & +5 & +3 & +4 & +5 & +4 \end{array}$$

$$\begin{array}{cccccccccc} 8 & 8 & 8 & 5 & 7 & 5 & 5 & 9 & 6 & 5 \\ \hline +3 & +5 & +6 & +6 & +4 & +7 & +8 & +2 & +5 & +9 \end{array}$$

$$\begin{array}{cccccccccc} 14 & 14 & 14 & 14 & 14 & 13 & 13 & 14 & 14 \\ \hline -7 & -9 & -8 & -5 & -2 & -5 & -6 & -1 & -7 \end{array}$$

$$\begin{array}{cccccccccc} 14 & 13 & 14 & 13 & 12 & 14 & 14 & 12 & 14 \\ \hline -14 & -13 & -6 & -8 & -7 & -0 & -10 & -6 & -8 \end{array}$$

2. Kene ka egkalingew neg pitew te me asaynmin dan.

Liksiyun 39

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg peg-awe wey egpegtimul te me numiru puun te sabeka taman te 15. Ne ka igkarangeb ne tuyu kayi su eyew egpakabebasbas sikandan neg seel te Biniseye ne me numiru neg bunsud te 51 peendiye te 100.

Ka eg-andamen nu diye te baley

1. Susulat kad e man-e teg derakelen ne numiru diyet pepil. Ilinga nu kayi:

| | | | | | | | | | |
|-----|----|----|----|----|----|----|----|----|----|
| | 51 | 52 | 53 | 54 | 55 | 56 | 57 | 58 | 59 |
| 60 | 61 | 62 | 63 | 64 | 65 | 66 | 67 | 68 | 69 |
| 70 | 71 | 72 | 73 | 74 | 75 | 76 | 77 | 78 | 79 |
| 80 | 81 | 82 | 83 | 84 | 85 | 86 | 87 | 88 | 89 |
| 90 | 91 | 92 | 93 | 94 | 95 | 96 | 97 | 98 | 99 |
| 100 | | | | | | | | | |

2. Himu kad e man-e te me **flashcards** ne iling kayi:

| | | | | | | | | | | | | | |
|----|----|----|----|----|----|----|----|----|----|----|----|-----|-----|
| 7 | 8 | 6 | 9 | 10 | 14 | 5 | 14 | 14 | 14 | 14 | 14 | 14 | 14 |
| +7 | +6 | +8 | +5 | +4 | +0 | +9 | -7 | -8 | -6 | -9 | -5 | -10 | -14 |

3. Ne kua nu ka duma ne me **flashcards** puun te numiru 11, 12, wey 13.

Egliberen ka miglihad ne liksiyun

1. Pegsewuha nu ka langun ne me **flashcards** wey paansila nu sikandan te igpalalag de ke nekey ka igpapitew nu kandan. (Langun ne me **flashcards** puun te 11 taman te 14).
2. Seela niyu teg Biniseyeen ka me numiru neg bunsud te 11 taman te 50.
3. Isulat nu man-e diyet bulakbud ka me numiru neg puun te 11 peendiye te 50 piru pegsewuha nu teg surat wey insei nu sikandan ke nekey ne me numiru sika.

Egmenuwen teg panulu te liksiyun

Ka me numiru 51 taman te 100 ne Biniseye

1. Kua nu ka pepil ne insulatan nu te me numiru neg bunsud te 51 taman te 100. Tagse me numiru neg baseen niyu teg Biniseyeen, keilangan neg tinuruen nu.
2. Susulat ka diyet bulakbud teg pegsewuhun ne me numiru neg bunsud te 51 taman te 70. Ne insei nu sikandan ke nekey sika ne numiru. Keilangan neg libliberan niyu kag ilingen kayi su eyew egmeiyal ran e neg ansil.

Pegtimulen wey ka eg-awaan ne me numiru taman te 15

1. Idrawing nu seini man-e diyet bulakbud wey paansili nu kandan piru ipalalag nu re kandan teg ansil. Ne keilangan neg libliberen nu ka iling kayi su eyew egmeiyal ran e kag ansil.

| | | | | | | | | | |
|----|---|---|---|-----|----|---|---|---|-----|
| ◇ | ◇ | ◇ | ◇ | ◇ | ◇ | ◇ | ◇ | ◇ | ◇ |
| | | ◇ | ◇ | ◇ | ◇ | ◇ | | | |
| 10 | + | 5 | = | ___ | 15 | - | 5 | = | ___ |



$$\begin{array}{l}
 8 + 7 = \underline{\quad} \quad 7 + 8 = \underline{\quad} \quad 9 + 6 = \underline{\quad} \quad 6 + 9 = \underline{\quad} \\
 15 - 7 = \underline{\quad} \quad 15 - 8 = \underline{\quad} \quad 15 - 6 = \underline{\quad} \quad 15 - 9 = \underline{\quad}
 \end{array}$$

- b. Basei nud e man-e sikandan te seinin me guhuren wey paansili nu kandan piru ipalalag nu re kandan teg ansil:
- b) Migparumeey si Aning wey si Ana kag bebeli te mangga diyet palingki. Te pegkeuma ran, migbeli si Aning te 7 ne mangga, ne si Ana, 8 ne mangga ka imbeli rin. Ne pila naa langun ka imbeli ran ne me mangga? ($7 + 8 = 15$)
 - c) Due 15 ne me istudanti te *Grade One*. Piru layun eg-absim ka 6 ne istudanti. Ne pila naa ne istudanti ka keneg agsim-agsim? ($15 - 6 = 9$)
 - d) Puun te tulay neg peendiye te Gupaku, due 10 ne kilumitru. Ne puun degma te Gupaku neg peendiye te Sita, due 5 ne kilumitru. Ne pila naa langun ne kilumitru kag puun te tulay neg peendiye te Sita? ($10 + 5 = 15$)
3. Isulat nu seini diyet bulakbud wey paansili nu kandan piru ipalalag nu re kandan teg ansil:

$$\begin{array}{r}
 15 \quad 6 \quad 15 \quad 1 \quad 15 \quad 10 \quad 15 \quad 8 \quad 15 \quad 9 \\
 - 9 \quad + 9 \quad - 10 \quad + 14 \quad - 0 \quad + 5 \quad - 7 \quad + 7 \quad - 15 \quad + 6
 \end{array}$$

Ka me asaynmin dan

1. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet me pepil ran:

$$\begin{array}{r}
 6 \quad 7 \quad 8 \quad 9 \quad 10 \quad 7 \quad 9 \quad 8 \\
 + 9 \quad + 8 \quad + 7 \quad + 6 \quad + 5 \quad + 7 \quad + 5 \quad + 6
 \end{array}$$

$$\begin{array}{r}
 15 \quad 5 \quad 7 \quad 14 \quad 8 \quad 7 \quad 6 \quad 5 \\
 + 0 \quad + 9 \quad + 6 \quad + 0 \quad + 7 \quad + 7 \quad + 9 \quad + 9
 \end{array}$$

$$\begin{array}{r}
 15 \quad 15 \quad 15 \quad 15 \quad 14 \quad 14 \quad 15 \quad 14 \\
 - 10 \quad - 8 \quad - 9 \quad - 6 \quad - 9 \quad - 8 \quad - 7 \quad - 7
 \end{array}$$

$$\begin{array}{r}
 15 \quad 14 \quad 14 \quad 14 \quad 13 \quad 13 \quad 13 \quad 13 \\
 - 5 \quad - 6 \quad - 10 \quad - 5 \quad - 7 \quad - 5 \quad - 6 \quad - 9
 \end{array}$$

$$\begin{array}{r}
 9 \quad 8 \quad 7 \quad 6 \quad 5 \quad 4 \quad 3 \quad 2 \quad 1 \quad 0 \\
 + \square \quad + \square \quad + \square \quad + \square \quad + \square \quad + \square \quad + \square \quad + \square \quad + \square \quad + \square \\
 13 \quad 14 \quad 15 \quad 13 \quad 14 \quad 14 \quad 12 \quad 10 \quad 11 \quad 15
 \end{array}$$

$$\begin{array}{r}
 15 \quad 14 \quad 15 \quad 13 \quad 14 \quad 15 \quad 13 \quad 14 \quad 13 \quad 15 \\
 - \square \quad - \square \quad + \square \quad + \square \quad + \square \quad + \square \quad + \square \quad + \square \quad + \square \quad + \square \\
 8 \quad 6 \quad 9 \quad 9 \quad 7 \quad 7 \quad 7 \quad 5 \quad 8 \quad 6
 \end{array}$$

Kene ka egkalingew neg pitew te me asaynmin dan.

Liksiyun 40

Tuyu

Iyan tuyu kayi su eyew egpakabebasbas man-e sikandan neg basa te rilu, me uras. Ne ka igkarangeb ne tuyu kayi su eyew egpekeila wey egpakanengneng sikandan te me ngaran te me aldew.

Ka eg-andamen nu diye te baley

1. Himu kad e man-e te me **flashcards** neg ilingen kayi.

| | | | | | | |
|--|--|--|--|--|--|--|
| $\begin{array}{r} 8 \\ +7 \\ \hline \end{array}$ | $\begin{array}{r} 7 \\ +8 \\ \hline \end{array}$ | $\begin{array}{r} 6 \\ +9 \\ \hline \end{array}$ | $\begin{array}{r} 9 \\ +6 \\ \hline \end{array}$ | $\begin{array}{r} 10 \\ + 5 \\ \hline \end{array}$ | $\begin{array}{r} 5 \\ +10 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ + 0 \\ \hline \end{array}$ |
| $\begin{array}{r} 15 \\ - 8 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ - 9 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ - 6 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ -10 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ - 5 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ - 7 \\ \hline \end{array}$ | $\begin{array}{r} 15 \\ - 0 \\ \hline \end{array}$ |

Kua nud e man-e ka дума ne ne **flashcards** puun te 11 taman te 14.

2. Kua nud e man-e ka rilu.
3. Kua nud e man-e ka pepil ne insulatan nu te me numiru neg bunsud te 51 taman te 100.

Egliberen ka miglihad ne liksiyun

1. Pegsewuha nu langun ka me **flashcards** puun te 11 taman te 15 wey himu kew te kuntis ke hentew ka meiyal e neg ansil.
2. Ne kua nu man-e ka pepil ne insulatan nu te me numiru neg bunsud te 51 taman te 100. Ne tagse numiru ne igpabasa nu kandan, keilangan neg tinuruen nu. Ne sulat ka diyet bulakbud te me numiru neg bunsud te 51 taman te 75 piru pegsewuha nu ka me numiru. Ne ipabasa nu naa kandan ke nekey ne me numiru sika.

Egmenuwen teg panulu te liksiyun

Ka rilu

1. Kua nu man-e ka rilu wey libliberi nu teg panulu ka meytenged te uras wey ka midya te uras. Ilinga nu kayi: Alas 9, alas 10 midya, wey дума pad. Ipapitew nu kandan ka uras neg gimuwen nu wey paansili nu kandan ke nekey ne uras.
2. Pasumsumana nu sikandan keg menuwen teg sulat ka me uras. Iling kayi:
2:00 4:30 9:00 10:30.

Uras — 15

1. Pasumsumana nu man-e sikandan meytenged te eletanan diyet rilu ne tiglalimma ne minutus.
2. Panulua nu sikandan teg seel puun te numiru 12. Ilinga nu kayi teg panulu: 5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60 taman teg ginguma man-e te numiru 12.

3. Gen-geni nu ka malepet ne tinuru te rilu wey halhalina nu diye teg kalain-lain ne me numiru. Piru ka malayat, kene nug weila diyet numiru 3 su iyan nu re halhalina ka malepet.
4. Panulua nu sikandan keg menuwen teg basa seini. Panunggilingan:

| | | |
|--|------------------|---------------|
| Alas dus kinsi | alas sayis kinsi | wey duma pad. |
| Ne panulua nu regma sikandan diyet bulakbud keg menuwen teg sulat: | | |
| 2:15 | 6:15 | wey duma pad. |
5. Himu ka teg kalain-lain ne me uras piru diye nu re te kinsi ne minutus ka malayat. Neg kataman, ipabasa nu kandan sika iling kayi:

| | | |
|------|------|-----------------------------------|
| 2:15 | 4:15 | 10:15 |
| 1:15 | 6:15 | 12:15 |
| 5:15 | 3:15 | 9:15 |
| 8:15 | 7:15 | 11:15 wey duma pad ne iling kayi. |
6. Himu kad e man-e teg lalainen ne uras wey me midya regma. Iling te “uras”, “uras midya” wey “uras kinsi.” Pabebasbasa nu sikandan due.

Ka ngaran te me aldew

1. Panggarani niyu langun ka ngaran te me aldew iling te:
Lunis, Martis, Mirkulis, Huwibis, Birnis, Sebaddu, Duminggu.
2. Ne isulat nu naa sika langun diyet bulakbud wey abayi niyu teg basa:
Lunis, Martis, Mirkulis, Huwibis, Birnis, Sebaddu, Duminggu.
Liblibera niyu ka iling kayi.
3. Insei nu sikandan te seini ne me inse:
Nekey-a ne aldew ka egpakinundul te Huwibis?
Nekey-a ne aldew ka egkasinundulan te Martis?
Abey ka himu te iling kayi ne me inse.

Ka me asaynmin dan

1. Patinurua nu te egkalain-lain ne me uras ka malepet ne diyet rilu wey ka me minutus degma. Iling te:

| | | |
|------|------------|-------------|
| Uras | uras midya | uras kinsi. |
|------|------------|-------------|

Pasulata nu sikandan te iling kayi diyet me pepil ran.
2. Pasulata nu sikandan diyet pepil ran te langun ne me ngaran te me aldew.
3. Kene kag kalingew neg pakurikan te me istudanti ka malehet ne ansil ran diyet pepil ran.

Liksiyun 41

Tuyu

Iyan tuyu kayi su eyew egpakabebasbas ka me istudanti neg basa te rilu. Ka uras wey ka 45 ne minu. Ne ka igkarangeb ne tuyu kayi su eyew egpakabebasbas ded man-e sikandan neg seel teg Biniseyeen ne me numiru neg bunsud te 51 taman te 100.

Ka eg-andamen nu diye te baley

1. Kua nu man-e ka rilu.
2. Kua nu ka pepil ne insulatan nu te me numiru neg bunsud te 51 taman te 100.

Egliberen ka miglihad ne liksiyun

1. Libera nu teg panulu ka meytenged te rilu iling te liksiyun 40:
uras uras midya uras kinsi.
2. Susulat kad e man-e teg kalain-lain ne ngaran te me aldew diye te bulakbud. Ne pabasaa nu ka tagse sabekan istudanti.

Egmenuwen teg panulu te liksiyun

Ka me numiru neg bunsud te 51 taman te 100 ne Biniseye

1. Kua nu ka pepil ne insulatan nu te me numiru wey ipabasa nu kandan.
2. Ne pakua nu sikandan te me pepil ran wey ipasulat nu kandan ka me numiru neg puun te 75 peendiye te 100 ne igkahi nu diyet kandan. Ne keilangan neg pitawen nu ka insulat dan ke malehet naa wey ke kene.

Ka rilu

1. Panulua nu man-e sikandan te keilangan neg seel te tiglalimma ne me numiru ke egbaseen ka malayat ne igtinuru te rilu.
2. Papitawa nu sikandan te rilu wey seel kew langun te tiglalimma neg puun te numiru 12 peendiye te numiru 9, ne emun keg katinuru e te malayat ne igtinuru te rilu ka nummiru 9 ne migpuun te numiru 12, saatu-pa miggingume e sika te 45 ne minutus.
3. Gamit kad man-e te rilu wey pabasaa nu sikandan teg kalain-lain ne me “uras”, piru 45 ne minutus nu re itahu ka malayat, su ka uras de kag galinen nu. Ilinga nu kayi:
Ala una kuwarintay singku = 1:45 wey дума pad man-e.
4. Panulua nu man-e sikandan diyet bulakbud keg menuwen teg sulat due. Ilinga nu kayi:
1:45 2:45 5:45 wey дума pad ne iling kayi.
5. Kuwa ka te me istudanti neg peparaniyen nu duet rilu wey ipeyimu nu kandin ka igkahi nu ne uras wey minutus.

Ka me asaynmin dan

1. Pakua nu sikandan te me pepil ran wey ipasulat nu kandan kag kalain-lain ne Biniseye ne me numiru ne igkahi nu diyet kandan neg bunsud te 61 peendiye te 100.
2. Due me inse kayi ne keilangan ne ig-inse nu diyet kandan wey ipasulat nu diyet pepil ran teg Biniseyeen ne me numiru neg bunsud te 51 peendiye te 100. Ilinga nu kayi ka me inse nu piru keilangan neg timulan nu ka me inse:

a) Nekey-a ne numiru ka egpakistanundul te 76?

b) Nekey-a ne numiru ka egkasinundulan te 69?

Abey ka himu te me inse ne iling kayi.

3. Himu ka teg kalain-lain ne me “uras” diyet rilu wey paansila nu sikandan diyet me pepil ran. Pitawa nu ka malehet ne me ansil diyet peka te libru nu ne kahii nu sikandan teg kurikan dan ka malehet ne ansil diyet pepil ran.

Liksiyun 42

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg peg-awe te me numiru wey egpegtimul te me numiru taman te 16.

Ka eg-andamen nu diye te baley

1. Kua nu ka me **flashcards** (11-15).
2. Kua nu degma ka rilu.
3. Kua nu ka pepil ne insulatan te me numiru 51-100.

Egliberen ka miglihahad ne liksiyun

1. Himu ka te lain-lain ne urasan ('uras', 'uras-midya', 'uras-15' wey 'uras-45') diyet rilu. Piru ipalalag nu re kandan teg ansil.
2. Susulat ka diyet bulakbud teg kalain-lain ne me numiru ne Biniseye puun te 51 peendiye te 100, ne pepangarani nu kandan sika.
3. Insei nu man-e sikandan teg kalain-lain ne me inse ne me Binseye ne numiru neg puun te 51 taman te 100. Ilinga nu kayi:
 Nekey-a ne numiru ka egpakasinundul te 55?
 Nekey-a ne numiru ka egkasinundulan te 45? wey дума pad.

Egmenuwen teg panulu te liksiyun

- a. Idruwing nu seini diyet bulakbud wey paansili nu kandan te igpalalag de:
 Liblibera nu eyew egkaangey ran ka malehet ne ansil.



$$8 + 8 = \underline{\quad}$$

$$16 - 8 = \underline{\quad}$$



$$9 + \underline{\quad} = 16$$

$$16 - \underline{\quad} = 9$$

$$7 + \underline{\quad} = 16$$

$$16 - \underline{\quad} = 7$$



$$10 + \underline{\quad} = 16$$

$$16 - \underline{\quad} = 10$$

$$6 + \underline{\quad} = 16$$

$$16 - \underline{\quad} = 10$$

- b. Basaa nu seinis me guhuren wey paansila nu sikandan te igpalalag de:
- a) Due 16 ne lapis diye te bag. Piru nahepu e ka 7. Pila naan de ka lapis ne ware nahepu? ($16 - 7 = \underline{\quad}$)
 - b) Due 10 ne baketin ni Datu Unang. Ne igkeupii rin naa ne 16 langun ka baketin din. Pila naan de ne baketin ka keilangan ne igtimul rin?
($10 + \underline{\quad} = 16$)
 - c) Due 16 ne manuk te amey ku. Piru nalaag ka 8. Pila naan de ka me manuk din?
($16 - 8 = \underline{\quad}$)

- d) Nakabeli si Aning te 8 ne atelug te Lunis. Te Martis nakabeli man-e sikandin te 7 ne atelug. Pila langun ka me atelug ne imbeli rin?
 $(8 + 7 = \underline{\quad})$

3. Isulat nu seini diyet bulakbud wey paansili nu kandan te igpalalag de:

$$\begin{array}{r} 16 \\ - 9 \end{array} \quad \begin{array}{r} 9 \\ + 7 \end{array} \quad \begin{array}{r} 16 \\ - 8 \end{array} \quad \begin{array}{r} 7 \\ + 8 \end{array} \quad \begin{array}{r} 16 \\ - 8 \end{array} \quad \begin{array}{r} 8 \\ + 6 \end{array} \quad \begin{array}{r} 14 \\ - 6 \end{array} \quad \begin{array}{r} 10 \\ + 6 \end{array} \quad \begin{array}{r} 16 \\ - 7 \end{array} \quad \begin{array}{r} 16 \\ + 0 \end{array}$$

Ka me asaynmin dan

- Isulat nu seini diyet bulakbud wey paansili nu kandan diyet pepil ran:
- Ne ispurtanti neg kurikan dan ka malehet ne ansil ran diyet pepil ran.

$$\begin{array}{r} 8 \\ + 8 \end{array} \quad \begin{array}{r} 8 \\ + 7 \end{array} \quad \begin{array}{r} 9 \\ + 7 \end{array} \quad \begin{array}{r} 8 \\ + 7 \end{array} \quad \begin{array}{r} 6 \\ + 7 \end{array} \quad \begin{array}{r} 10 \\ + 6 \end{array} \quad \begin{array}{r} 10 \\ + 3 \end{array} \quad \begin{array}{r} 10 \\ + 4 \end{array}$$

$$\begin{array}{r} 7 \\ + 7 \end{array} \quad \begin{array}{r} 8 \\ + 6 \end{array} \quad \begin{array}{r} 10 \\ + 2 \end{array} \quad \begin{array}{r} 9 \\ + 2 \end{array} \quad \begin{array}{r} 5 \\ + 6 \end{array} \quad \begin{array}{r} 7 \\ + 4 \end{array} \quad \begin{array}{r} 7 \\ + 5 \end{array} \quad \begin{array}{r} 7 \\ + 6 \end{array}$$

$$\begin{array}{r} 16 \\ - 9 \end{array} \quad \begin{array}{r} 16 \\ - 10 \end{array} \quad \begin{array}{r} 8 \\ + 8 \end{array} \quad \begin{array}{r} 9 \\ + 7 \end{array} \quad \begin{array}{r} 16 \\ - 6 \end{array} \quad \begin{array}{r} 7 \\ + 9 \end{array} \quad \begin{array}{r} 10 \\ + 6 \end{array} \quad \begin{array}{r} 16 \\ - 8 \end{array} \quad \begin{array}{r} 8 \\ + 7 \end{array} \quad \begin{array}{r} 16 \\ - 7 \end{array} \quad \begin{array}{r} 10 \\ + 5 \end{array}$$

$$\begin{array}{r} 7 \\ + 7 \end{array} \quad \begin{array}{r} 9 \\ + 6 \end{array} \quad \begin{array}{r} 5 \\ + 6 \end{array} \quad \begin{array}{r} 7 \\ + 6 \end{array} \quad \begin{array}{r} 6 \\ + 6 \end{array} \quad \begin{array}{r} 7 \\ + 5 \end{array} \quad \begin{array}{r} 9 \\ + 2 \end{array} \quad \begin{array}{r} 9 \\ + 4 \end{array} \quad \begin{array}{r} 8 \\ + 4 \end{array}$$

$$8 + \underline{\quad} = 16$$

$$16 - \underline{\quad} = 8$$

$$9 + \underline{\quad} = 16$$

$$7 + \underline{\quad} = 16$$

$$16 - \underline{\quad} = 9$$

$$16 - \underline{\quad} = 7$$

$$10 + \underline{\quad} = 16$$

$$6 + \underline{\quad} = 16$$

$$16 - \underline{\quad} = 10$$

$$16 - \underline{\quad} = 6$$

Liksiyun 43

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg pegtimul wey egpeg-awe te me numiru taman te 18.

Ka eg-andamen nu diye te baley

1. Himu ka man-e te me **flashcards** iling kayi:

| | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 8 | 9 | 7 | 10 | 6 | 16 | 16 | 16 | 16 | 16 |
| +8 | +7 | +9 | +6 | +10 | - | - | - | - | -10 |
| _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ | _____ |

2. Kua nu ka me дума ne **flashcards** (11-15).

Egliberen ka miglihah ne liksiyun

1. Pegsewsewha nu ka me **flashcards** (11-16) wey papitawa nu ka me istudanti te me **flashcards** wey paansila nu sikandan te igpalalag de.
2. Kuntis kew te me **flashcards**. Baara nu ka me istudanti wey pasasindeha nu sikandan langun. Emun kenen malehet ka ansil te sabekan istudanti, papinuuwa nu sikandin. Ne emun hentew ne grupu ka masalig pad ka migpanasindeg, seeye naa ka migpanalu.
3. Bayew nu meiyala teg papitew ka me **flashcards** su eyew egkabasbas dan neg ansil te egmasiyapaten.

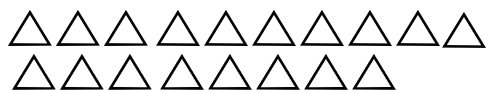
Egmenuwen teg panulu te liksiyun

1. Idruwing nu seini diyet bulakbud wey paansila nu sikandan te igpalalag de:
Liblibera nu seini taman teg kateu e sikandan.



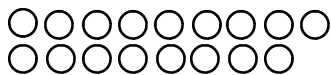
$$9 + 9 = \underline{\quad}$$

$$18 - 9 = \underline{\quad}$$



$$10 + 8 = \underline{\quad} \quad 8 + 10 = \underline{\quad}$$

$$18 - 8 = \underline{\quad} \quad 18 - 10 = \underline{\quad}$$



$$9 + 8 = \underline{\quad} \quad 8 + 9 = \underline{\quad}$$

$$17 - 8 = \underline{\quad} \quad 17 - 9 = \underline{\quad}$$



$$10 + 7 = \underline{\quad} \quad 7 + 10 = \underline{\quad}$$

$$17 - 7 = \underline{\quad} \quad 17 - 10 = \underline{\quad}$$

2. Basei nu sikandan te me guhuren kayi wey paansila nu sikandan te igpalalag de:

- a) Si Urdu wey si Rumi migpamunuwit sikandan diyet weyig. Ne nekeutel si Urdu te 9 ne ngalap. Ne 17 langun ka neutel ran te daruwa ne ngalap. Pilaa ka ngalap ne neutel ni Rumi? ($9 + \underline{\quad} = 17$)
- b) Migpamalingki si Nilda. Due P18 ne seleppi din. Nakabeli sikandin te Maggi, bali te P10. Pilaa ka nasame ne seleppi din? ($18 - 10 = \underline{\quad}$)

3. Isulat nu seini diyet bulakbud ne paansila nu sikandan te igpalalag de:

$$\begin{array}{r} 9 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ - 8 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ +8 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ - 8 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ - 7 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ - 0 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -10 \\ \hline \end{array}$$

Ka me asaynmin dan

Isulat nu seini diyet bulakbud wey paansila nu sikandan seini diyet pepil ran:
Kene kag kalingew neg pakurikan te me istudanti ka me malehet ne ansil ran diyet pepil ran.

$$\begin{array}{r} 17 \\ - 9 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ - 8 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ - 9 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ - 8 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ - 8 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ - 9 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ - 7 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ - 9 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 9 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ - 4 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ - 7 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ - 6 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ - 7 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ - 8 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ - 9 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ - 8 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ - 6 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ - 6 \\ \hline \end{array}$$

Liksiyun 44

Tuyu

Iyan tuyu kayi eyew eglibiberen ka langun ne egpegtimulen wey langun degma neg awaan ne numiru eyew egkateu ran neg ansil.

Wey igkarangeb ne tuyu kayi eyew egkateunan dan ke hendeid kag timulan ne numiru wey eg-awaan ne numiru.

Ka eg-andamen nu diye te baley

1. Himu ka man-e te me **flashcards** iling kayi:

| | | | | | | | | | | | | | |
|----------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|
| $\frac{9}{+8}$ | $\frac{8}{+9}$ | $\frac{10}{+7}$ | $\frac{7}{+10}$ | $\frac{9}{+9}$ | $\frac{8}{+10}$ | $\frac{10}{+8}$ | $\frac{17}{-10}$ | $\frac{17}{-7}$ | $\frac{17}{-8}$ | $\frac{17}{-9}$ | $\frac{18}{-9}$ | $\frac{18}{-8}$ | $\frac{18}{-10}$ |
|----------------|----------------|-----------------|-----------------|----------------|-----------------|-----------------|------------------|-----------------|-----------------|-----------------|-----------------|-----------------|------------------|

2. Kua nu man-e ka rilu.

3. Kua nu ka langun ne me **flashcards**.

Egliberen ka miglihad ne liksiyun

1. Kuwa ka te me **flashcards** (11-18) ne libera nu ka liksiyun ne miglihad.

2. Himu ka te lain-lain ne me urasan (“uras”, “uras-midya”, “uras-15” wey “uras-45”) diyet rilu. Ne paansila nu ka me istudenti te igpalalag de.

Egmenuwen teg panulu te liksiyun

Tahuni nu te malehet ne palineu

1. Isulat nu seinis numiru diyet bulakbud:

$$8 \text{ ___ } 8 = 16$$

Insei nu sikandan ke nekey-a ka malehet ne palineu ne igtahu kayi te dibabew ___?
Emun egpegtimulen ka 8 wey 8 egkeyimu ne 16? Wey ke eg-awaan 8 wey 8 egkeyimun 16? Hendei ka malehet ne palineu? (+)

2. Ne isulat nu seini diyet bulakbud wey panulua nu sikandan te emun dakel ka ansil, sika kag pegtimulen ne numiru. Emun deisek ka ansil sika kag awaan ne numiru.

$$8 \text{ ___ } 8 = 0$$

$$5 \text{ ___ } 8 = 13$$

$$9 \text{ ___ } 5 = 4$$

$$6 \text{ ___ } 7 = 13$$

$$9 \text{ ___ } 5 = 14$$

$$4 \text{ ___ } 7 = 11$$

$$6 \text{ ___ } 5 = 11$$

$$4 \text{ ___ } 1 = 3$$

$$6 \text{ ___ } 6 = 12$$

$$6 \text{ ___ } 5 = 1$$

$$12 \text{ ___ } 6 = 6$$

$$7 \text{ ___ } 7 = 14$$

$$18 \text{ ___ } 9 = 9$$

$$10 \text{ ___ } 5 = 5$$

Egliberan kag pegtimulen wey eg-awaan ne me numiru

1. Kua nu langun ka me **flashcards** (1 pondiye te 18).
2. Pegsewsewha nu ka me **flashcards** ne igpapitew nu eyew amana ran egkateu neg ansil.
3. Pegsaliya nu sikandan te me **flashcards** iling te daruwan grupu ka me istudanti iling te hun-an liksiyun.

Ka me asaynmin dan

Isulat nu seini diyet bulakbud wey ipasulat degma diyet pepil ran, wey ka malehet ne palineu te tagse sabeka, ke + wey ke -:

$10 _ 1 = 11$

$14 _ 8 = 6$

$5 _ 8 = 13$

$16 _ 8 = 8$

$7 _ 6 = 13$

$9 _ 4 = 13$

$5 _ 6 = 11$

$15 _ 7 = 8$

$7 _ 4 = 11$

$12 _ 6 = 6$

$12 _ 2 = 10$

$15 _ 10 = 5$

$7 _ 7 = 14$

$9 _ 8 = 17$

$13 _ 5 = 1$

$13 _ 7 = 6$

$9 _ 2 = 11$

$7 _ 9 = 4$

$8 _ 3 = 11$

$15 _ 8 = 7$

$9 _ 3 = 12$

$15 _ 9 = 6$

$7 _ 5 = 12$

$15 _ 6 = 9$

$8 _ 4 = 12$

$14 _ 9 = 5$

$8 _ 5 = 13$

Pitawa nu ka me pepil te me istudanti wey pakuriki nu kandan ka malehet ne ansil ran.

Ipataha nu kandan

Te sunud ne kalasi, due tis te mat (iksam) meytenged teg pegtimulen wey eg-awaan ne me numiru. Kahii nu sikandan teg peistadiyen diyet me baley ran.

Liksiyun 45

Tuyu

Iyan tuyu kayi su eyew egiik ka me istudanti te tis te mat meytenged teg pegtimulen ne numiru wey eg-awaan ne numiru.

Ka eg-andamen nu diye te baley

Kua nu ka me **flashcards** (1–18).

Egliberen ka miglihad ne liksiyun

Liblibera nu ka me **flashcards** wey paansila nu ka me istudanti te igpalalag de.

Egmenuwen teg panulu te liksiyun

1. Pasulata nu ka me istudanti te me ngaran dan diyet ampew te pepil ran.
2. Basaa nu ka seini ne me guhuren wey paansila nu ka me istudanti diyet pepil ran wey kene kag bulig kandan:
 - a) Due seleppi ni Urdu ne P18. Miggenderiye sikandin te tindaan ne migbeli sikandin te sabekan timman ne Maggi, bali te P8. Pila naan de ka nasame te seleppi din?
 - b) Due seleppi ni Aning ne P8, piru keilangan sikandin te P16 ka seleppi din su eyew egpakatambung sikandin te siminar. Pila pad ka seleppi neg keilanganen din?
 - c) Te Duminggu, 7 ne kanakan ka migsimba wey 9 ne mengebay. Pilaa langun sikandan ka migsimba?
 - d) Amanan malehed si Wini neg keen te sahing su 7 re ne timman ka nakeen din te maselem. Te maapun e, 6 ka naamin din. Pilaa langun ka sahing ne naamin din seled te sabekan aldew?

3. Isulat nu seini diyet bulakbud wey paansili nu kandan diyet pepil ran:

$$\begin{array}{r} 6 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ +4 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 3 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 6 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ +0 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ +\square \\ \hline 15 \end{array} \quad \begin{array}{r} 6 \\ +\square \\ \hline 13 \end{array} \quad \begin{array}{r} 7 \\ +\square \\ \hline 15 \end{array} \quad \begin{array}{r} 3 \\ +\square \\ \hline 10 \end{array} \quad \begin{array}{r} 4 \\ +\square \\ \hline 13 \end{array} \quad \begin{array}{r} 5 \\ +\square \\ \hline 13 \end{array} \quad \begin{array}{r} 6 \\ +\square \\ \hline 12 \end{array} \quad \begin{array}{r} 12 \\ +\square \\ \hline 12 \end{array} \quad \begin{array}{r} 4 \\ +\square \\ \hline 9 \end{array}$$

$$\begin{array}{r} 3 \\ +\square \\ \hline 12 \end{array} \quad \begin{array}{r} 6 \\ +\square \\ \hline 15 \end{array} \quad \begin{array}{r} 7 \\ +\square \\ \hline 9 \end{array} \quad \begin{array}{r} 5 \\ +\square \\ \hline 9 \end{array} \quad \begin{array}{r} 2 \\ +\square \\ \hline 7 \end{array} \quad \begin{array}{r} 9 \\ +\square \\ \hline 18 \end{array} \quad \begin{array}{r} 7 \\ +\square \\ \hline 17 \end{array} \quad \begin{array}{r} 8 \\ +\square \\ \hline 15 \end{array} \quad \begin{array}{r} 3 \\ +\square \\ \hline 11 \end{array}$$

$$\begin{array}{r} 15 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ -4 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -0 \\ \hline \end{array} \quad \begin{array}{r} 12 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ -2 \\ \hline \end{array} \quad \begin{array}{r} 13 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ +3 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 7 \\ +7 \\ \hline \end{array} \quad \begin{array}{r} 15 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 4 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 17 \\ -10 \\ \hline \end{array} \quad \begin{array}{r} 2 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 18 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +5 \\ \hline \end{array} \quad \begin{array}{r} 10 \\ -6 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ +9 \\ \hline \end{array} \quad \begin{array}{r} 16 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 9 \\ +6 \\ \hline \end{array} \quad \begin{array}{r} 11 \\ -5 \\ \hline \end{array} \quad \begin{array}{r} 0 \\ +13 \\ \hline \end{array} \quad \begin{array}{r} 14 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 5 \\ +7 \\ \hline \end{array}$$

4. Kua nu ka langun ne me pepil ran. Wey kuriki nu ka malehet ne ansil ran diyet pepil ran. Te seup ne kalasi, iuli nu ka me pepil ran diyet kandan su eyew egkanengnengan dan ka malehet ne ansil. Kua nu man-e ka me pepil ran, ne ibehey nu diyet **supervisor** niyu eyew egkatahaan din neg kateu e ka me istudanti.

Liksiyun 46

Tuyu

Iyan tuyu kayi su eyew egpakabebasbas ka me istudanti te rilu (“uras 45”).

Ne igkarangeb ne tuyu kayi su eyew egliberen ka me ngaran te me bulan wey me aldew.

Ka eg-andamen nu diyet baley

Kua nu ka rilu.

Egliberen ka miglihahad ne liksiyun

1. Libera nu man-e ka me lain-lain ne urasan diyet rilu. Paansila nu sikandan te igpalalag de.
2. Palalaha nu sikandan te me ngaran te me bulan wey aldew.
3. Isulat nu diyet bulakbud ka me ngaran te me bulan wey te me aldew. Ipabasa nu kandan.
4. Insei nu sikandan kayi:

Nekey-a ne bulan kag pakasinundul te Marsu?

Nekey-a ne bulan kag kasinundulan te Sikstimbri?

Nekey-a ne aldew kag pakasinundul te Martis?

wey duma pad.

Egmenuwen teg panulu te liksiyun

1. Kua nu ka rilu wey ipasumsuman nu kandan ka eletanan te me numiru ne 5 minutus emun egbaseen nu ka malayat ne igtinuru. Seel kew langun te me numiru ne egbunsud diyet 12 te tiglalimma:

5, 10, 15, 25, 30, 35, 40, 45, 50, 55, 60 ne minutus.

2. Panulua nu sikandan te:

Ala una kuwarintay singku
Alas dus kuwarintay singku

wey дума pad.

3. Panulua nu sikandan teg menuwen teg sulat te me uras iling kayi:

1:45 3:45 5:45

wey дума pad.

4. Himu ka te lain-lain ne urasan diyet rilu iling te:

“uras”, “uras-midya”, “uras 15”, “uras 45”

wey paansila nu sikandan te igpalalag de.

5. Ipeparani nu ka duman istudanti wey peyimuwa nu sikandan te lain-lain ne uras diyet rilu niyu.

Ka me asaynmin dan

1. Himu ka te lain-lain ne urasan diyet rilu nu wey paansila nu sikandan diyet pepil ran.
2. Isulat nu man-e diyet bulakbud ka me ngaran te me aldew. Pasulata nu ka me istudanti diyet pepil ran te tagse ngaran te aldew ne keep-at nikandan eglibera:

Duminggu, Lunis, Martis, Mirkulis, Huwibis, Birnis, Sebaddu.

3. Kene nu egkalingawi neg pakurikan kandan ka me malehet ne me ansil ran.

Liksiyun 47

Tuyu

Iyan tuyu kayi su eyew egkatimulan ka natuenan te me istudanti diyet rilu.

Ne ka igkarangeb ne tuyu kayi su eyew egpakabebasbas sikandan man-e meytenged te me bulan.

Ka eg-andamen nu diyet baley

Kua nu ka rilu.

Egliberen ka miglihad ne liksiyun

1. Libera nu ka natuenan dan ne uras.
2. Paseela nu sikandan te rilu te tiglalimma:

5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60.

Egmenuwen teg panulu te liksiyun

Ka rilu

1. Kua nu man-e ka rilu ne panulua nu sikandan te:

Alas 2: 5
alas 2 :10
alas 2: 20
alas 2: 25 wey дума pad iling kayi.

2. Panulua nu sikandan teg menuwen teg sulat ka me uras iling kayi:

| | | | |
|------|------|------|------|
| 2:05 | 7:10 | 4:20 | 8:25 |
| 6:05 | 1:10 | 3:20 | 9:25 |

wey дума pad.

3. Himu ka te natuenan dan ne me uras wey paansila nu ka me istudanti te igpalalag de.
4. Ipeparani nu ka дума ne istudanti wey peyimuwa nu sikandan te natuenan dan e ne uras diyet rilu nu.

Ka me bulan

1. Isulat nu ka me ngaran te bulan diyet bulakbud ne ipabasa nu te me istudanti.
2. Ipabasa nu man-e kandan neg langlangkaren ka ngaran te me bulan.
3. Liblibera nu teg basa ka ngaran te me bulan.

Ka me asaynmin dan

1. Himu ka te lain-lain ne uras diyet rilu nu wey paansila nu sikandan diyet pepil ran.
2. Isulat nu ka me ngaran te me bulan diyet bulakbud ne pasulata nu sikandan te tighep-at ka matagsabeka ne bulan:

Iniru, Pibliru, Marsu, Abril, Mayu, Hunyu,
Hulyu, Agustu, Siptimbri, Uktubri, Nubimbri, Disimbri.

3. Lalahi nu sikandan teg pakurikan ka malehet ne ansil ran.

Liksiyun 48

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg pegtimul te me dakel ne numiru.

Egliberen ka miglihada ne liksiyun

Kua nu ka rilu ne himu ka te lain-lain ne me uras diyet rilu nu wey paansila nu sikandan ne ipalalag nu re. (Himu ka te natuenan dan e ne uras.)

Egmenuwen teg panulu te liksiyun

1. Isulat nu seini diyet bulakbud ne bulihi nu sikandan teg ansil:

Panulua nu sikandan te ispurtanti ne linya te me numiru bunsud ka diyet kawanang peendiye te gibang ne numiru.

$$\begin{array}{cccccccc} 25 & 89 & 47 & 36 & 44 & 63 & 48 & 22 \\ \hline +1 & +0 & +1 & +3 & +2 & +32 & +41 & +37 \end{array}$$

2. Panulua nu sikandan iling kayi:

Kahii nu sikandan te, “Egbunsud ki kayit kawanang ne numiru neg pegtimulen ka 5 wey 1 su neyimun 6. Igsulat ta ka ansil diyet diralem te me numiru. Igpabulus ta diyet gibang kag pegtimulen ne numiru ne igkurat ta ka ansil diyet diralem man-e.”

$$\begin{array}{r} 25 \\ +1 \\ \hline 26 \end{array}$$

3. Panulua nu sikandan te ispurtanti neg sulat te “tigsabeka” diyet tahuan te “tigsabeka”. Ne “tigsapulu” ispuranti regma neg sulat te tahuan te “tigsapulu”.
4. Basaa nu ka me guhuren kayi wey paansila nu sikandan te lalag dan de. Isulat nu ka me numiru diyet bulakbud wey bulihi nu sikandan teg ansil:
- a) Due 2 ne bate ne impatimbang te Girmin Duktur. Ka sabeka 25 kg ne ka dumarin 42 kg. Pila langun ka kabehat dan? ($25 + 42 = \underline{\quad}$)
- b) Migbunsud si Lita miggipanew peendiye te Davao. Due 15 km puun te Simud peendiyet Salumay. Neg puun te Salumay peendiyet Kalinan 53 km pad. Pila ne kilumitru puun te Simud peendiyet Kalinan? ($15 + 53 = \underline{\quad}$)

Ka me asaynmin dan

1. Basaa nu ka guhuren kayi wey paansila nu sikandan diyet pepil ran:

Due 23 ne bibi kayi te baley ney, ne due 34 ne bibi diyet sumbaley ney. Pilaa langun ka me bibi diyet inged ney?

2. Isulat nu seini diyet bulakbud wey paansila nu sikandan diyet kandan ne me pepil:

| | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 12 | 89 | 34 | 65 | 70 | 25 | 36 | 47 |
| <u>+5</u> | <u>+0</u> | <u>+4</u> | <u>+3</u> | <u>+7</u> | <u>+1</u> | <u>+3</u> | <u>+1</u> |

| | | | | | | | |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 91 | 80 | 74 | 63 | 53 | 44 | 31 | 28 |
| <u>+3</u> | <u>+6</u> | <u>+1</u> | <u>+3</u> | <u>+4</u> | <u>+2</u> | <u>+5</u> | <u>+0</u> |

| | | | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 20 | 20 | 50 | 60 | 40 | 53 | 79 | 25 | 22 | 52 |
| <u>+40</u> | <u>+70</u> | <u>+30</u> | <u>+20</u> | <u>+30</u> | <u>+14</u> | <u>+20</u> | <u>+64</u> | <u>+12</u> | <u>+27</u> |

| | | | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 52 | 83 | 26 | 26 | 35 | 25 | 73 | 45 | 41 | 12 |
| <u>+24</u> | <u>+15</u> | <u>+31</u> | <u>+62</u> | <u>+52</u> | <u>+60</u> | <u>+14</u> | <u>+31</u> | <u>+44</u> | <u>+10</u> |

| | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|
| 23 | 56 | 47 | 81 | 69 | 10 | 24 | 38 |
| <u>+45</u> | <u>+23</u> | <u>+31</u> | <u>+11</u> | <u>+30</u> | <u>+59</u> | <u>+65</u> | <u>+50</u> |

| | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|
| 62 | 78 | 34 | 56 | 65 | 43 | 39 | 78 |
| <u>+34</u> | <u>+11</u> | <u>+34</u> | <u>+11</u> | <u>+10</u> | <u>+12</u> | <u>+40</u> | <u>+20</u> |

3. Kahii nu sikandan teg kurikan ka malehet ne ansil ran. Pitawa nu ka tigsalimbeka ne pepil te me istudanti ke due linya te me numiru.

Liksiyun 49

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg pegtimul te tatelu ne linya ne derakel ne me numiru.

Egliberen ka miglihahad ne liksiyun

1. Isulat nu seini diyet bulakbud wey paansila nu sikandan ne diye de te bulakbud:

$$\begin{array}{cccccccc} 62 & 45 & 73 & 87 & 25 & 65 & 43 & 72 \\ \hline +14 & +13 & +24 & +11 & +34 & +24 & +46 & +25 \end{array}$$

2. Paansila nu ka duma ne istudanti teg pegtimulen ne numiru diyet bulakbud.

$$\begin{array}{cccccccc} 31 & 21 & 45 & 87 & 42 & 61 & 54 & 40 \\ \hline +48 & +23 & +51 & +11 & +12 & +32 & +21 & +13 \end{array}$$

Egmenuwen teg panulu te liksiyun

1. Isulat nu seini diyet bulakbud wey bulihi nu sikandan teg ansil. Wey ipasumansuman nu kandan ne ispurtanti neg linyeen ka me numiru.
2. Basaa nu ka guhuren kayi wey paansila nu sikandan diyet bulakbud:

$$\begin{array}{cccccccccccc} 26 & 15 & 32 & 16 & 41 & 27 & 43 & 34 & 42 & 23 & 72 & 65 \\ 42 & 22 & 14 & 51 & 22 & 31 & 25 & 31 & 34 & 33 & 01 & 20 \\ \hline +11 & +22 & +43 & +32 & +13 & +41 & +11 & +32 & +13 & +23 & +12 & +11 \end{array}$$

Matesan e ka aheley ni Unung. Te Martis in-abat din te 72 ne timman. Te Mirkulis in-abat din te 24 ne timman, te Huwibis in-abat din man-e te 33 ne timman. Pilaa langun ka aheley ne in-abat ni Unung? ($72 + 24 + 33 = \underline{\quad}$)

Ka me asaynmin dan

1. Isulat nu seini diyet bulakbud wey paansila nu sikandan diyet pepil ran:

| | | | | | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 60 | 40 | 54 | 34 | 13 | 67 | 42 | 25 | 21 | 20 | 31 | 54 |
| 22 | 13 | 21 | 23 | 35 | 11 | 12 | 31 | 11 | 49 | 13 | 33 |
| <u>+11</u> | <u>+36</u> | <u>+21</u> | <u>+41</u> | <u>+51</u> | <u>+10</u> | <u>+22</u> | <u>+15</u> | <u>+23</u> | <u>+30</u> | <u>+44</u> | <u>+12</u> |
| 10 | 18 | 39 | 47 | 56 | 35 | 27 | 38 | 22 | 30 | 46 | 62 |
| 29 | 80 | 40 | 32 | 12 | 32 | 30 | 20 | 33 | 27 | 22 | 12 |
| <u>+30</u> | <u>+1</u> | <u>+10</u> | <u>+10</u> | <u>+11</u> | <u>+21</u> | <u>+32</u> | <u>+11</u> | <u>+44</u> | <u>+11</u> | <u>+31</u> | <u>+22</u> |

2. Basaa nu ka guhuren kayi wey paansila nu sikandan diyet pepil ran:

Due 31 ne me istudanti diyet iskuylaan te Grade 1, ne te Grade 2 due 42 ne istudanti, wey te Grade 3 due 36 ne istudanti. Pilaa langun ka me istudanti?

3. Pakuriki nu te me istudanti ka me malehet ne me ansil ran.

Liksiyun 50

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg pegtimul te derakel ne me numiru, ne ka subla ne ansil diyet “tigsabeka” ne 10.

Egliberen ka miglihahad ne liksiyun

Isulat nu seini diyet bulakbud wey paansila nu ka me istudanti diyet bulakbud: Bulihi nu sikandan ke kene dan egpakaansil.

| | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|
| 32 | 25 | 34 | 32 | 24 | 15 | 20 | 44 |
| 42 | 23 | 12 | 12 | 42 | 31 | 42 | 33 |
| <u>+12</u> | <u>+41</u> | <u>+53</u> | <u>+43</u> | <u>+23</u> | <u>+40</u> | <u>+35</u> | <u>+22</u> |

Egmenuwen teg panulu te liksiyun

1. Isulat nu seini diyet bulakbud:

$$\begin{array}{r} +1 \\ 38 \\ + 7 \\ \hline 45 \end{array}$$

Ne kahii nu sikandan te “ $8 + 7 = 15$, saatu-pa. 1 te “tigsapulu” wey 5 te “tigsabeka.” Isulat nu ka 5 diyet linya te “tigsabeka.” Ka 1 isulat nu diyet linya te “tigsapulu.” Saatu-pa ka diyet tigsapulu, egpegtimulen e iling kayi: $1 + 3 = 4$. Duen e 4 ne “tigsapulu.” Isulat nu ka 4 ne “tigsapulu” diyet diralem.

2. Panulua nu sikandan te “Emun ke eggingume e te 10 diye niyu isulat ka tigsabeka te linya te tigsabeka. Ne ka tigsapulu, diye niyu isulat te linya ne tigsapulu iling kayi:

$$\begin{array}{r} +1 \\ 14 \\ + 6 \\ \hline 20 \end{array} \quad \begin{array}{r} +1 \\ 38 \\ + 7 \\ \hline 45 \end{array} \quad \begin{array}{r} +1 \\ 18 \\ + 28 \\ \hline 46 \end{array}$$

3. Isulat nu seini diyet bulakbud wey bulihi nu sikandan teg ansil diyet bulakbud:

| | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|
| 63 | 46 | 59 | 56 | 36 | 45 | 39 | 77 |
| <u>+ 9</u> | <u>+ 4</u> | <u>+32</u> | <u>+15</u> | <u>+55</u> | <u>+48</u> | <u>+47</u> | <u>+18</u> |

4. Basaa nu ka guhuren kayi wey paansila nu sikandan diyet bulakbud. Bulihi nu re sikandan ke kene dan egpakaansil.
- a) Due lukes ne migbeli te tabla para te iyam ne baley rin. Nakabeli rin te 28 ne palid te tabla diyet sumbaley rin. Ne 24 degman palid ka tablan nabeli rin diyet duman etew. Pilaa langun ne palid ka tabla ne imbeli rin? ($28 + 24 = \underline{\quad}$)
- b) Migpammula si Maria te atsal diyet kamet din. Te Lunis miggaani rin te 45 ne atsal. Te Martis miggaani rin man-e te 49 ne atsal. Pilaa langun ka miggaani rin ne atsal? ($49 + 45 = \underline{\quad}$)

Ka me asaynmin dan

1. Basaa nu ka guhuren kayi wey paansila nu sikandan diyet pepil ran:

Miggaani si Waning te ripulyu rin su igbeligye din diyet Davao. Miggaani sikandin te 35 ne timman te hun-an aldew. Te seup ne aldew miggaani rin te 58 ne timman. Pilaa langun ne ripulyu ka nahaani?

2. Isulat nu seini diyet bulakbud wey paansila nu sikandan diyet pepil ran:
 3. Kahii nu sikandan teg kurikan ka malehet ne ansil. Pitawa nu ka me pepil ran.

| | | | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <u>78</u> | <u>13</u> | <u>45</u> | <u>38</u> | <u>17</u> | <u>14</u> | <u>36</u> | <u>59</u> | <u>81</u> | <u>34</u> |
| <u>+ 3</u> | <u>+ 7</u> | <u>+ 4</u> | <u>+ 4</u> | <u>+ 7</u> | <u>+ 3</u> | <u>+ 4</u> | <u>+ 3</u> | <u>+ 9</u> | <u>+ 2</u> |
| <u>25</u> | <u>47</u> | <u>65</u> | <u>29</u> | <u>19</u> | <u>26</u> | <u>69</u> | <u>74</u> | <u>34</u> | <u>79</u> |
| <u>+56</u> | <u>+21</u> | <u>+16</u> | <u>+55</u> | <u>+43</u> | <u>+65</u> | <u>+23</u> | <u>+12</u> | <u>+26</u> | <u>+11</u> |
| <u>15</u> | <u>35</u> | <u>73</u> | <u>47</u> | <u>9</u> | <u>40</u> | <u>40</u> | <u>50</u> | <u>10</u> | <u>20</u> |
| <u>+ 5</u> | <u>+14</u> | <u>+ 6</u> | <u>+13</u> | <u>+32</u> | <u>+30</u> | <u>+20</u> | <u>+30</u> | <u>+60</u> | <u>+70</u> |
| <u>27</u> | <u>58</u> | <u>42</u> | <u>64</u> | <u>76</u> | <u>59</u> | <u>36</u> | <u>57</u> | <u>46</u> | <u>21</u> |
| <u>+ 3</u> | <u>+46</u> | <u>+34</u> | <u>+4</u> | <u>+22</u> | <u>+21</u> | <u>+24</u> | <u>+36</u> | <u>+5</u> | <u>+57</u> |

Ispurtanti ne eleg ne linya ka egkatahuan te me ansil ran.

Liksiyun 51

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg pegtimul te masulug ne me numiru.

Egliberen ka miglihahad ne liksiyun

Isulat nu seini diyet bulakbud wey paansila nu ka me istudanti diyet bulakbud:

$$\begin{array}{r} 39 \\ +56 \\ \hline \end{array} \quad \begin{array}{r} 49 \\ +22 \\ \hline \end{array} \quad \begin{array}{r} 63 \\ +36 \\ \hline \end{array} \quad \begin{array}{r} 72 \\ +19 \\ \hline \end{array} \quad \begin{array}{r} 25 \\ +57 \\ \hline \end{array} \quad \begin{array}{r} 49 \\ +46 \\ \hline \end{array} \quad \begin{array}{r} 27 \\ +37 \\ \hline \end{array} \quad \begin{array}{r} 36 \\ +54 \\ \hline \end{array}$$

Ispurtanti neg linyaan nikandan ka me numiru.

Egmenuwen teg panulu te liksiyun

$$\begin{array}{r} 27 \\ 29 \\ +31 \\ \hline \end{array}$$

1. Isulat nu seini diyet bulakbud:

Ne panulua nu sikandan teg “bunsud ki kayit kawanang neg pegtimul te me numiru.”
($7 + 9 + 1 = \underline{\quad}$). Igsulat ka tigsapulu diyet linya te “tigsapulu”. Nataman
egpegtimulen ka me tigsapulu.

$$\begin{array}{r} 33 \\ 12 \\ 26 \\ +24 \\ \hline \end{array}$$

2. Isulat nu man-e seini diyet bulakbud:

Ne pasumsumana nu sikandan te egpegtimulen eggun-eyi ka diyet tigsabeka ne linya.
Ne emun ke due tigsapulu ne subla, keilangan ne diye igsulat te dibabew te tigsapulu.
Neg kataman, pegtimula niyud e man-e ka tigsapulu su eyew egkatahan niyu ke

$$\begin{array}{r} +1 \\ 33 \\ 12 \\ 26 \\ +24 \\ \hline 95 \end{array}$$

pila langun ka ansil.

3. Isulat nu seini diyet bulakbud wey paansila nu sikandan diyet bulakbud:

| | | | | | |
|------------|------------|------------|------------|------------|------------|
| 34 | 21 | 14 | 24 | 26 | 28 |
| 26 | 25 | 25 | 12 | 24 | 11 |
| 11 | 44 | 32 | 26 | 31 | 43 |
| <u>+33</u> | <u>+13</u> | <u>+26</u> | <u>+34</u> | <u>+27</u> | <u>+24</u> |

4. Basaa nu ka guhuren kayi wey bulihi nu sikandan teg ansil:

Migpamalingki si Aye diyet Tawas ne migbeli sikandin te gulay. Nakabeli rin te kamatis bali te P9, wey sehung bali te P15, wey repulyu bali te P10, wey kintaki bali te P12. Pilaa langun ka bayad te imbeli rin?

Ka me asaynmin dan

1. Basaa nu ka guhuren kayi wey paansila nu sikandan diyet pepil ran:

Due masulug neg beliyen ni Manuel diyet Tawas su due prudiyik din te iskuylaan. Ne nakabeli rin te pepil, bali te 16, kartulina, bali te 15, wey crayola, bali te 12 wey pintil, bali 27. Pilaa langun ka nabayaran din?

2. Isulat nu seini diyet bulakbud wey paansila nu sikandan diyet pepel ran:

3. Pakuriki nu kandan ke nekey ka malehet ne ansil.

| | | | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| 39 | 37 | 28 | 65 | 64 | 26 | 22 | 3 | 11 | 53 |
| 42 | 29 | 32 | 20 | 4 | 27 | 18 | 20 | 16 | 21 |
| <u>+10</u> | <u>+30</u> | <u>+31</u> | <u>+ 1</u> | <u>+31</u> | 10 | 30 | 27 | 12 | 13 |
| | | | | | <u>+12</u> | <u>+11</u> | <u>+31</u> | <u>+51</u> | <u>+ 5</u> |

| | | | | |
|------------|------------|------------|------------|------------|
| 10 | 21 | 52 | 22 | 24 |
| 42 | 22 | 11 | 46 | 2 |
| 33 | 32 | 3 | 22 | 30 |
| <u>+14</u> | <u>+22</u> | <u>+24</u> | <u>+11</u> | <u>+10</u> |

Liksiyun 52

Tuyu

Iyan tuyu kayi su eyew egpakabebasbas ka me istudanti te rilu.

Ka eg-andamen nu diye te baley

Kua nu man-e ka rilu.

Egliberen ka miglihahad ne liksiyun

Isulat nu seini diyet bulakbud wey paansila nu ka me istudanti ne diyet bulakbud:

| | | | | | |
|------------|------------|------------|------------|------------|------------|
| 24 | 6 | 35 | 29 | 21 | 14 |
| 23 | 24 | 11 | 31 | 25 | 34 |
| 12 | 43 | 28 | 22 | 23 | 23 |
| <u>+13</u> | <u>+25</u> | <u>+12</u> | <u>+15</u> | <u>+27</u> | <u>+25</u> |

Egmenuwen teg panulu te liksiyun

1. Insei nu sikandan ke pilan minutus ka sabekan uras (60). Nataman seel kew langun te me numiru diyet rilu te tiglalimma puun te 12. (5, 10, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60)
2. Kua nu ka rilu nu wey himuwa nu ka natuenan dan ne uras. Paansila nu sikandan te igpalalag de.
3. Kua nu ka rilu ne peparaniya nu ka me istudanti wey peyimuwa nu sikandan te lain-lain ne me uras ne igsuhu nu kandan.
4. Panulua nu sikandan te me дума pad ne uras ne ware dan pad natueni iling kayi:
alás 2:35
3:40
4:50
5:55
wey дума pad.
5. Panulua nu sikandan keg menuwen teg sulat ka iyam ne me uras, iling kayi:
3:35
6:40
7:50
8:55
wey дума pad.

Ka me asaynmin dan

1. Himuwa nu ka natuenan dan ne me uras diyet rilu wey paansila nu ka me istudanti diyet pepil ran.
2. Kahii nu sikandan teg pakurikan ka malehet ne me ansil ran.

Ipataha nu kandan

Te sunud ne kalasi, due malepet ne tis te mat meytenged te rilu.

Liksiyun 53

Tuyu

Iyan tuyu kayi su eyew egpakatiik ka me istudanti te malepet ne tis meytenged te rilu.

Wey ka igkarangeb ne tuyu kayi su eyew egkateu sikandan neg peg-awe te derakel e ne me numiru.

Egliberen ka miglihad ne liksiyun

Kua nu ka rilu ne libera nu teg panulu ka meytenged te uras wey paansili nu kandan te igpalalag de.

Egmenuwen teg panulu te liksiyun

Tis meytenged te rilu

1. Ipasulat nu te me istudanti ka ngaran dan diyet dibabew te pepil ran.
2. Himuwa nu diyet rilu ka me uras kayi wey paansili nu kandan diyet pepil ran:
2:15 12:00 2:10 7:50 11:00 5:45
9:35 3:45 5:55 10:20 3:30 6:00
6:30 4:25 1:05 8:40 9:15 2:05
3. Te nekeimpus dan e neg sulat, kua nud ka me pepil ran wey kuriki nu ka malehet ne ansil ran eyew egkanengnengan dan ke nekey ka sayep dan. Egkataman, kua nu man-e ka me pepil ran wey ibehey nu te **supervisor** ke eggendiye sikandin te sityu niyu.

Eg-awaan ka me derakel ne numiru

1. Isulat nu seini diyet bulakbud:
Bulihi nu sikandan teg ansil iling kayi:

$$\begin{array}{r} 36 \\ - 5 \\ \hline \end{array}$$

6 ne “tigsabeka” neg awaan te 5 ne “tigsabeka,” ka nasame su 1 ne “tigsabeka.”
3 ne “tigsapulu” neg awaan te 0 ne “tigsapulu,” neyimu red ne 3 ne “tigsapulu.”

2. Ipabulus nu ka duma pad ne panunggilingan kayi:
3. Basaa nu ka guhuren kayi wey paansila nu sikandan diyet bulakbud:

$$\begin{array}{r} 69 \quad 46 \quad 82 \quad 40 \quad 70 \quad 85 \quad 54 \quad 86 \quad 95 \\ - 7 \quad - 4 \quad - 11 \quad - 30 \quad - 10 \quad - 24 \quad - 32 \quad - 52 \quad - 24 \\ \hline \end{array}$$

Due 55 ne manuk te aye ku. Napatey e ka 24 su migderalu, pila naan de ka nasame te manuk din?

Ka me asaynmin dan

Isulat nu seini diyet bulakbud wey paansila nu ka me istudanti diyet pepil ran:

| | | | | | | | |
|------------|------------|------------|------------|------------|------------|------------|------------|
| <u>5</u> | <u>27</u> | <u>46</u> | <u>82</u> | <u>31</u> | <u>93</u> | <u>58</u> | <u>64</u> |
| <u>-5</u> | <u>-3</u> | <u>-5</u> | <u>-0</u> | <u>-1</u> | <u>-2</u> | <u>-4</u> | <u>-4</u> |
| <u>79</u> | <u>90</u> | <u>88</u> | <u>89</u> | <u>22</u> | <u>47</u> | <u>88</u> | <u>59</u> |
| <u>-6</u> | <u>-30</u> | <u>-7</u> | <u>-9</u> | <u>-2</u> | <u>-5</u> | <u>-6</u> | <u>-7</u> |
| <u>97</u> | <u>85</u> | <u>73</u> | <u>51</u> | <u>69</u> | <u>48</u> | <u>36</u> | <u>24</u> |
| <u>-36</u> | <u>-45</u> | <u>-52</u> | <u>-50</u> | <u>-55</u> | <u>-37</u> | <u>-24</u> | <u>-12</u> |
| <u>12</u> | <u>98</u> | <u>86</u> | <u>74</u> | <u>62</u> | <u>50</u> | <u>47</u> | <u>35</u> |
| <u>-10</u> | <u>-46</u> | <u>-53</u> | <u>-41</u> | <u>-20</u> | <u>-30</u> | <u>-13</u> | <u>-14</u> |
| <u>39</u> | <u>48</u> | <u>57</u> | <u>66</u> | <u>75</u> | <u>84</u> | <u>93</u> | <u>65</u> |
| <u>-15</u> | <u>-34</u> | <u>-23</u> | <u>-42</u> | <u>-55</u> | <u>-60</u> | <u>-71</u> | <u>-24</u> |
| <u>26</u> | <u>15</u> | <u>94</u> | <u>83</u> | <u>59</u> | <u>74</u> | <u>38</u> | <u>62</u> |
| <u>-5</u> | <u>-3</u> | <u>-74</u> | <u>-62</u> | <u>-10</u> | <u>-2</u> | <u>-4</u> | <u>-31</u> |

Pakuriki nu te me istudanti ka malehet ne me ansil ran.

Liksiyun 54

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg sambey te me numiru puun te “tigsapulu.”

Ka eg-andamen nu diye te baley

Kua nu ka me supe te butilya wey ka kayu ne inggamit nu te hun-an me liksiyun.

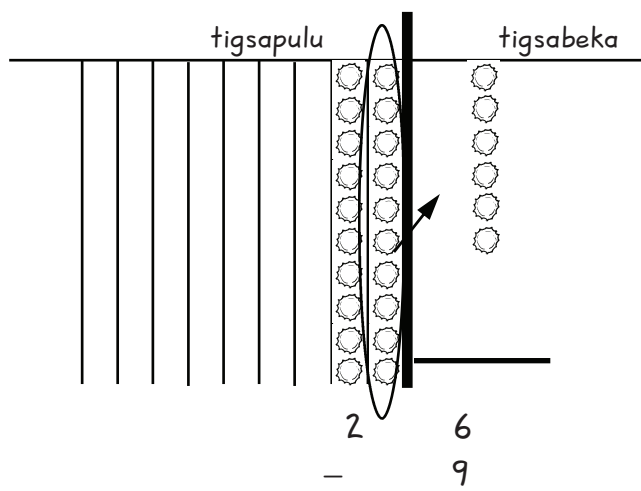
Egliberen ka miglihad ne liksiyun

Isulat nu seini diyet bulakbud wey paansila nu sikandan diyet bulakbud:

$$\begin{array}{r} 64 \\ -13 \\ \hline \end{array} \quad \begin{array}{r} 89 \\ -36 \\ \hline \end{array} \quad \begin{array}{r} 75 \\ -14 \\ \hline \end{array} \quad \begin{array}{r} 86 \\ -24 \\ \hline \end{array} \quad \begin{array}{r} 96 \\ -54 \\ \hline \end{array} \quad \begin{array}{r} 54 \\ -32 \\ \hline \end{array} \quad \begin{array}{r} 62 \\ -41 \\ \hline \end{array} \quad \begin{array}{r} 49 \\ -26 \\ \hline \end{array}$$

Egmenuwen teg panulu te liksiyun

1. Kua nu ka me supe te butilya wey ka kayu. Ne gamita nu seini teg panulu kandan keg menuwen neg awaan ka me numiru kayi:
2. Panulua nu sikandan te “Emun ke dakel ka numiru diyet diralem te numiru ne diyet



dibabew, keilangan neg sambey te numiru puun te linya te “tigsapulu” su eyew egkaawaan ka me numiru diyet diralem iling kayi:

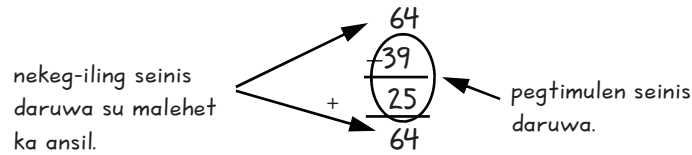
Ke due 6, keneg kaayun neg awaan te 9, su dakel ka 9 te 6. Saatu-pa keilangan neg sambey diyet linya te “tigsapulu”. Due 1 naan de ne nasame te linya te “tigsapulu”. Eggalinen diyet linya te “tigsabeka” ne neyimu e ne 16 ka “tigsabeka”. ($16 - 9 = 7$)

$$\begin{array}{r} 16 \\ -9 \\ \hline 7 \end{array}$$

3. Isulat nu seini se duma ne panunggilingan diyet bulakbud ne bulihi nu sikandan keg menuwen teg sambey te me numiru puun te linya te “tigsapulu”:

$$\begin{array}{r} 414 \\ -27 \\ \hline \end{array} \quad \begin{array}{r} 316 \\ -27 \\ \hline \end{array} \quad \begin{array}{r} 614 \\ -57 \\ \hline \end{array} \quad \begin{array}{r} 514 \\ -39 \\ \hline \end{array}$$

4. Panulua nu sikandan keg menuwen teg kurik ka malehet ne ansil ran iling kayi:



5. Basaa nu ka guhuren kayi ne bulihi nu sikandan teg ansil diyet bulakbud:

Miggendiye si Aning te Gaisano su egbeli sikandin te kumbale. Due P85 ne seleppi din, ne ka prisyu te T-shirt din su P78. Pila naan de ka sinsiliyu rin?

$$\begin{array}{r} 7\ 15 \\ \cancel{8}\ \cancel{5} \\ -7\ 8 \\ \hline 0\ 7 \end{array}$$

Ka me asaynmin dan

1. Isulat nu seini diyet bulakbud wey paanisila nu sikandan diyet pepil ran:

$$\begin{array}{r} 21 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 41 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 22 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 68 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 80 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 31 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 53 \\ -4 \\ \hline \end{array} \quad \begin{array}{r} 52 \\ -8 \\ \hline \end{array} \quad \begin{array}{r} 41 \\ -3 \\ \hline \end{array} \quad \begin{array}{r} 94 \\ -5 \\ \hline \end{array}$$

$$\begin{array}{r} 83 \\ -45 \\ \hline \end{array} \quad \begin{array}{r} 49 \\ -23 \\ \hline \end{array} \quad \begin{array}{r} 62 \\ -27 \\ \hline \end{array} \quad \begin{array}{r} 90 \\ -17 \\ \hline \end{array} \quad \begin{array}{r} 53 \\ -34 \\ \hline \end{array} \quad \begin{array}{r} 74 \\ -24 \\ \hline \end{array} \quad \begin{array}{r} 50 \\ -26 \\ \hline \end{array} \quad \begin{array}{r} 67 \\ -44 \\ \hline \end{array} \quad \begin{array}{r} 83 \\ -62 \\ \hline \end{array} \quad \begin{array}{r} 20 \\ -14 \\ \hline \end{array}$$

2. Isulat nu seini diyet bulakbud wey paansila nu ka me istudanti diyet pepil ran. Piru keilangan neg kurikan dan ka malehet ne ansil ran diyet diralem iling te impanulu nu kandan:

$$\begin{array}{r} 89 \\ -27 \\ +62 \\ \hline 89 \end{array} \quad \begin{array}{r} 59 \\ -15 \\ \hline \end{array} \quad \begin{array}{r} 99 \\ -88 \\ \hline \end{array} \quad \begin{array}{r} 77 \\ -55 \\ \hline \end{array} \quad \begin{array}{r} 70 \\ -30 \\ \hline \end{array} \quad \begin{array}{r} 35 \\ -12 \\ \hline \end{array} \quad \begin{array}{r} 60 \\ -7 \\ \hline \end{array} \quad \begin{array}{r} 41 \\ -9 \\ \hline \end{array} \quad \begin{array}{r} 67 \\ -6 \\ \hline \end{array} \quad \begin{array}{r} 85 \\ -8 \\ \hline \end{array}$$

3. Pakuriki nu kandan ka me malehet ne me ansil ran.

Liksiyun 55

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg seel te numiru puun te 1 taman te 200.

Ka eg-andamen nu diye te baley

Kua nu man-e ka me supe te butilya wey ka kayu.

Egliberen ka miglihahad ne liksiyun

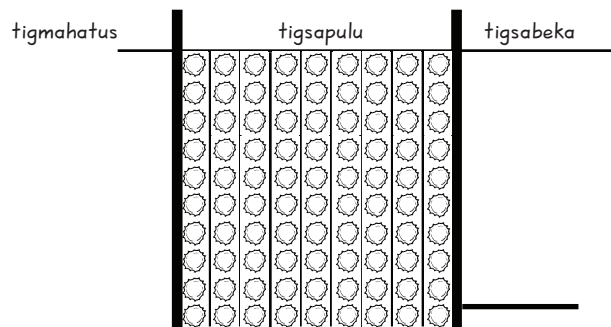
Isulat nu seini diyet bulakbud wey paansila nu ka me istudanti:

$$\begin{array}{r}
 5 \ 14 \\
 \cancel{8} \ 4 \\
 \underline{-17} \\
 47 \\
 \underline{-64} \\
 \hline
 \end{array}
 \qquad
 \begin{array}{r}
 89 \\
 \underline{-36} \\
 \hline
 \end{array}
 \qquad
 \begin{array}{r}
 65 \\
 \underline{-58} \\
 \hline
 \end{array}
 \qquad
 \begin{array}{r}
 42 \\
 \underline{-25} \\
 \hline
 \end{array}
 \qquad
 \begin{array}{r}
 45 \\
 \underline{-36} \\
 \hline
 \end{array}
 \qquad
 \begin{array}{r}
 84 \\
 \underline{-37} \\
 \hline
 \end{array}$$

Emun keg pekeimpus dan e kag ansil, keilangan neg pakurikan nu kandan ke nekey ka malehet ne me ansil ran.

Egmenuwen teg panulu te liksiyun

1. Kua nu ka kayu wey isulat nu diyet linya ka egbaaren ne numiru iling kayi:



Panulua nu sikandan te emun egkapenu e
ka “tigsapulu,” keilangan neg galinen diyet “tigmahutus”.

2. Libera nu ka natuenan dan daan meytenged teg baaren ne numiru iling kayi:

Hipenua nu ka 3 ne linya te me supe diyet “tigsapulu”. Ne itahu nu ka 5 ne supe diyet tahuanan te “tigsabeka” su eyew 35 langun ka me supe. Abayi nu man-e ka eg-ilingen due ne me panunggilingan te lain e ne numiru.

3. Te pegkahi nu kandan keilangan ne igsulat nu diyet bulakbud ka panunggilingan iling kayi:

| | |
|-----------|-----------|
| tigsapulu | tigsabeka |
| 3 | 5 |

4. Ipabulus nu teg panulu ka me panunggilingan te me numiru taman teg kapenu e ka linya te “tigsapulu” wey isulat nu diyet bulakbud ka “tigmahatus” iling kayi:
 100 = 1 “tigmahatus” wey 0 “tigsapulu” wey 0 “tigsabeka”
 100 = 10 “tigsapulu”

| | | |
|------------|-----------|-----------|
| tigmahatus | tigsapulu | tigsabeka |
| 1 | 0 | 0 |

5. Pabulusi ka kag gamit te me numiru wey keilangan neg gamit ka degma te me supe, ilinga nu kayi ka me numiru: 102, 115, 136, 182, 153, 124, wey duma pad.
 6. Paseela nu ka me istudanti puun te 100 taman te 200.

Ka me asaynmin dan

1. Pasulata nu ka me istudanti te langun ne me numiru puun te 100 taman te 200 diyet pepil ran.
2. Isulat nu seini se me numiru diyet bulakbud wey ipasulat nu kandan ka lalimma neg pekegsinundul ne me numiru:
 - 101
 - 37
 - 151
 - 160
 - 84
 - 171
3. Alam ka te me numiru puun te 1 taman te 200 wey ipasulat nu kandan diyet pepil ran.
4. Pakuriki nu kandan ka malehet ne me ansil ran diyet pepil ran.

Liksiyun 56

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg seel te numiru puun te 1 taman te 1000.

Egliberen ka miglihahad ne liksiyun

- a. Isulat nu seini se me numiru diyat bulakbud wey insei nu ka me istudanti te me inse iling kayi:

45 126 97 142 196 121 159

- Pilaan “tigsapulu” ka seinis numiru?
 - Pilaan “tigmahatus” ka seinis numiru?
 - Pilaan “tigsabeka” ka seinis numiru?
 - Nekey-a ne numiru kag pakasinundul te seinin numiru?
 - Nekey-a ne numiru kag kasinundulan te seinin numiru? ...wey duma pad.
2. Isulat nu ka me numiru diyat bulakbud, ilinga nu kayi wey paseela nu ka duman istudanti te tiglalimma neg pekegsinundul ne me numiru:
- 65 79 45 123 146 150 181
3. Alam ka te me numiru puun te 10 taman te 200 wey ipasulat nu kandan diyat pepil ran. Pakuriki nu kandan ka malehet ne ansil ran.

Egmenuwen teg panulu te liksiyun

2. Libera nu teg panulu ka me istudanti te emun ke due 10 ne linya te “tigsapulu” egkeyimu e ne 100. Wey ke due 20 ne linya te “tigsapulu” egkeyimu e ne 200. Ke due 30 ne linya te “tigsapulu” egkeyimu e ne 300... wey duma pad ne me numiru taman te 1000.

$1000 = 10$ grupu te “tigmahatus” neyimu ne 1000.

3. Isulat nu seinii diyat bulakbud ka iling kayi:
Paansila nu sikandan ke pilaa ne “tiglibu,” “tigmahatus,” “tigsapulu,” wey

| tiglibu | tigmahatus | tigsapulu | tigsabeka | |
|---------|------------|-----------|-----------|--|
| | 1 | 0 | 0 | = 1 tigmahatus, 0 tigsapulu, 0 tigsabeka |
| | 2 | 2 | 5 | = |
| | 6 | 3 | 3 | = |
| 1 | 0 | 0 | 0 | = |
| 1 | 1 | 1 | 2 | = |

“tigsabeka” ka tagse linya.

Liksiyun 57

Tuyu

Iyan tuyu kayi su eyew egpakatiik ka me istudenti te deisek ne tiis meytenged te me derakel ne me numiru.

Egliberen ka miglihad ne liksiyun

- a. Insei nu sikandan te me inse kayi wey paansila nu sikandan te igpalalag de:
 - a) Pilaa ka “tigsapulu” te seinin numiru: 65, 142, 159
 - 2) Pilaa ka “tigmahatus” te seinin numiru: 253, 649, 342
2. Isulat nu seini diyet bulakbud wey paansila nu sikandan iling kayi:
hen-em ne pulu wey daruwa
daruwan gatus, lalimman pulu wey hep-at.
3. Ipalalag nu re kandan ka me ansil ran:
 $200 + 60 + 2 = (262)$
 $400 + 50 + 9 = \underline{\hspace{2cm}}$

Egmenuwen teg panulu te liksiyun

3. Pasulata nu sikandan te me ngaran dan diyet dibabew te pepil ran.
4. Due inse kayi piru kene nu egbulihi sikandan teg ansil:
Pilaa ka “tigsapulu” te seinin me numiru:
Isulat nu seini diyet bulakbud:
120, 160, 180, 208, 47, 56, 23, 90
5. Pilaa ka “tigmahatus” te seinin me numiru:
Isulat nu seini diyet bulakbud:
340, 1000, 176, 540, 860, 648, 260, 420
6. Isulat nu seini se me lalag diyet bulakbud wey pasulata nu sikandan te me numiru:
tatelumpulu wey pitu
sabekan gatus wey sabeka
siyew ne pulu wey siyew
daruwan gatus, sapulu wey tatelu
sabekan libu
hen-em ne pulu wey hen-em.
5. Ipasulat nu kandan ka ansil kayi:
 $100 + 20 + 4 = \underline{\hspace{2cm}}$ $900 + 10 + 0 = \underline{\hspace{2cm}}$
 $700 + 30 + 8 = \underline{\hspace{2cm}}$ $800 + 20 = \underline{\hspace{2cm}}$
 $500 + 3 = \underline{\hspace{2cm}}$ $600 + 10 + 1 = \underline{\hspace{2cm}}$
6. Pasulata nu sikandan te numiru neg kasinundulan te me numiru kayi:

| | | | |
|----------------|----------------|----------------|----------------|
| <u> </u> 242 | <u> </u> 250 | <u> </u> 244 | <u> </u> 700 |
| <u> </u> 200 | <u> </u> 343 | <u> </u> 651 | <u> </u> 900 |

7. Ipasulat nu kandan ka numiru neg pakasinundul te numiru kayi:
 200 201 800 ___ 350 ___ 680
8. Ipasulat nu kandan ka me numiru ne ware nakasulat diyet eletanan:
 248 249 250 240 ___ 242
 486 ___ 488 319 ___ 321
 201 ___ 203 399 ___ 401
9. Ipasulat nu kandan ka “mahatus” ne numiru neg kasinundulan te me numiru kayi:
600 700 ___ 200 ___ 343 ___ 651
10. Ipasulat nu kandan ka “mahatus” ne numiru neg pakasinundul te me numiru kayi:
 200 300 800 ___ 350 ___ 680 ___

11. Ipasulat nu kandan ka “sapulu” ne numiru neg kasinundulan te me numiru kayi:
750 760 ___ 870 ___ 925 ___ 476
12. Ipasulat nu kandan ka “sapulu” ne me numiru neg pakasinundul te me numiru kayi:
 230 240 540 ___ 625 ___ 386 ___

13. Kua nu ka me pepil ran wey kuriki nu ka me malehet ne ansil ran. Te seup ne kalasi ipanguli nu ka me pepil ran su eyew egkatengtengan dan ka malehet ne ansil ran. Kua nu man-e ka me pepil ran wey ibehey nu diyet **supervisor**.

Liksiyun 58

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg pegtimul wey egpeg-awe te me derakel ne me numiru.

Egmenuwen teg panulu te liksiyun

1. Isulat nu seini diyet bulakbud:

$$\begin{array}{r} 432 \\ 345 \\ +122 \\ \hline \end{array} \quad \begin{array}{r} 414 \\ 353 \\ +232 \\ \hline \end{array}$$

Pasuman-sumana nu sikandan teg bunsud te kawanan ka egpegtimul te me numiru wey igsulat ka ansil diyet diralem te malehet ne linya. Pasuman-sumana nu man-e sikandan te ispurtanti amana ne diyet linya ka numiru igsulat. Pabasaa nu sikandan te me numiru ne insulat nu diyet bulakbud te kene dan pad eg-ansil.

2. Isulat nu seini diyet bulakbud wey paansila nu sikandan diyet bulakbud:
Panulua nu sikandan te nekeg-iling de neg awaan ka dereisek ne me numiru wey ka

$$\begin{array}{r} 936 \\ -624 \\ \hline \end{array} \quad \begin{array}{r} 564 \\ -453 \\ \hline \end{array}$$

derakel ne numiru.

3. Basaa nu ka guhuren kayi wey paansila nu sikandan diyet bulakbud:

Due 453 ne istudanti diyet iskuylaan te Simud, ne diyet iskuylaan te Tawas due 353 ne me istudanti, ne diyet iskuylaan te Buda due 242 ne me istudanti. Pilaa langun ka me istudanti neg iskuyla diyet Simud, Buda, wey Tawas?

$$\begin{array}{r} 453 \\ 353 \\ +242 \\ \hline \end{array}$$

Ka me asaynmin dan

Isulat nu seini se me panunggilingan diyet bulakbud wey paansila nu sikandan diyet pepil ran:

1.

| | | | | | | | | |
|-------------|-------------|-------------|------------|-------------|-------------|-------------|-------------|-------------|
| 321 | 147 | 423 | 472 | 215 | 234 | 346 | 242 | 100 |
| 453 | 22 | 23 | 511 | 233 | 442 | 322 | 42 | 53 |
| <u>+224</u> | <u>+620</u> | <u>+423</u> | <u>+ 3</u> | <u>+250</u> | <u>+ 13</u> | <u>+221</u> | <u>+313</u> | <u>+ 24</u> |

2.

| | | | | | | | |
|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| 574 | 320 | 581 | 404 | 378 | 429 | 105 | 546 |
| <u>-463</u> | <u>-100</u> | <u>-541</u> | <u>-203</u> | <u>- 65</u> | <u>- 28</u> | <u>- 84</u> | <u>- 43</u> |
| 347 | 250 | 474 | 517 | 517 | 243 | 329 | 260 |
| <u>- 47</u> | <u>- 40</u> | <u>- 63</u> | <u>-206</u> | <u>-204</u> | <u>-121</u> | <u>-218</u> | <u>-260</u> |

3. Kene kag kalingew neg pakurik te me istudanti te me malehet ne ansil ran.

Liksiyun 59

Tuyu

Iyan tuyu kayi su eyew egpakabebasbas man-e ka me istudanti neg pegtimul wey egpeg-awe te derakel ne me numiru.

Egliberen ka miglihahad ne liksiyun

Isulat nu seini se me panunggilingan diyet bulakbud wey paansila nu sikandan diyet bulakbud:

$$\begin{array}{r} 214 \\ 452 \\ \hline +233 \\ \hline \end{array} \quad \begin{array}{r} 355 \\ 421 \\ \hline +123 \\ \hline \end{array} \quad \begin{array}{r} 153 \\ 332 \\ \hline +214 \\ \hline \end{array} \quad \begin{array}{r} 349 \\ \hline -136 \\ \hline \end{array} \quad \begin{array}{r} 597 \\ \hline -426 \\ \hline \end{array} \quad \begin{array}{r} 248 \\ \hline -124 \\ \hline \end{array}$$

Egmenuwen teg panulu te liksiyun

1. Isulat nu ka me problima kayi diyet bulakbud wey ansili niyu langun diyet bulakbud:

$$\begin{array}{r} 436 \\ \hline +124 \\ \hline \end{array} \quad \begin{array}{r} 694 \\ \hline +223 \\ \hline \end{array}$$

Panulua nu sikandan ke emun egpegtimulen ka me numiru diyet linya te “tigsabeka”, ka subla ne ansil igtimul diyet linya te “tigsapulu”. Iling ded degma, emun egpegtimulen ka me numiru diyet linya te “tigsapulu, ka subla ne ansil diye igtimul te linya te “tigmahatus”, iling kayi:

$$\begin{array}{r} +1+1 \\ 217 \\ \hline +783 \\ \hline 1000 \end{array}$$

2. Isulat nu seini diyet bulakbud:

$$\begin{array}{r} 513 \\ 5 \cancel{1} \cancel{3} \\ \hline - 457 \\ \hline \end{array}$$

Pasumsumana nu sikandan te emun keilangan neg sambey te me numiru, keilangan ne diye de te gibang ne linya egsambey.

3. Isulat nu degma seini diyet bulakbud wey paansila nu sikandan diye te bulakbud:

$$\begin{array}{r} 894 \\ \hline -726 \\ \hline \end{array} \quad \begin{array}{r} 458 \\ \hline -267 \\ \hline \end{array}$$

4. Basaa nu ka guhuren kayi wey paansila nu sikandan diye te bulakbud:
- a) Inpasinsus ka gubirnu te langun ne me sityu. Diyet sityu te Kalamkalam due 154 ne etew. Ne diyet sityu te Gupaku due 163 ne etew. Ne diyet sityu te Pahuyuren due 195 ne etew. Pilaa langun ka me etew diyet tatelu ne sityu?

$$\begin{array}{r} 154 \\ 163 \\ +195 \\ \hline \end{array}$$

- b) Egpammula si Datu Using te me mahuguni diyet bubungan. Due 376 ne similiya rin piru 157 ka impakapammula rin. Pilaa naa ne similya ka ware din pad ipakapammula?

Ka me asaynmin dan

$$\begin{array}{r} 376 \\ -157 \\ \hline \end{array}$$

Isulat nu seini diyet bulakbud wey paansila nu sikandan diyet pepil ran:

- 1.
- 2.

$$\begin{array}{r} 378 \\ + 65 \\ \hline \end{array} \quad \begin{array}{r} 429 \\ + 28 \\ \hline \end{array} \quad \begin{array}{r} 474 \\ +463 \\ \hline \end{array} \quad \begin{array}{r} 546 \\ +260 \\ \hline \end{array} \quad \begin{array}{r} 381 \\ +541 \\ \hline \end{array} \quad \begin{array}{r} 739 \\ + 43 \\ \hline \end{array} \quad \begin{array}{r} 404 \\ + 56 \\ \hline \end{array}$$

3. Pabantaya nu sikandan te me palineu kayi, su impegsewug e ka me palinneu iling te

$$\begin{array}{r} 621 \\ - 84 \\ \hline \end{array} \quad \begin{array}{r} 838 \\ -429 \\ \hline \end{array} \quad \begin{array}{r} 668 \\ -279 \\ \hline \end{array} \quad \begin{array}{r} 583 \\ -497 \\ \hline \end{array} \quad \begin{array}{r} 697 \\ -508 \\ \hline \end{array} \quad \begin{array}{r} 424 \\ -418 \\ \hline \end{array} \quad \begin{array}{r} 852 \\ -717 \\ \hline \end{array}$$

+ wey -:

4. Pakuriki nu kandan ke nekey ka malehet ne ansil ran.

$$\begin{array}{r} 603 \\ -578 \\ \hline \end{array} \quad \begin{array}{r} 35 \\ +705 \\ \hline \end{array} \quad \begin{array}{r} 511 \\ -148 \\ \hline \end{array} \quad \begin{array}{r} 386 \\ +403 \\ \hline \end{array} \quad \begin{array}{r} 658 \\ -109 \\ \hline \end{array} \quad \begin{array}{r} 175 \\ +659 \\ \hline \end{array}$$

$$\begin{array}{r} 273 \\ -254 \\ \hline \end{array} \quad \begin{array}{r} 805 \\ +104 \\ \hline \end{array} \quad \begin{array}{r} 159 \\ - 72 \\ \hline \end{array} \quad \begin{array}{r} 39 \\ 72 \\ 65 \\ +50 \\ \hline \end{array} \quad \begin{array}{r} 8 \\ 37 \\ 52 \\ + 9 \\ \hline \end{array} \quad \begin{array}{r} 42 \\ 5 \\ 8 \\ +43 \\ \hline \end{array}$$

Liksiyun 60

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg pegtimul te seleppi.

Ka eg-andamen nu diye te baley

Ke due seleppi nu diyet baley, kuwa ka te 5 ne sintabus wey 10 ne sintabus wey 25 ne sintabus.

Egliberen ka miglihad ne liksiyun

Isulat nu seini diyet bulakbud wey paansila nu sikandan diyet bulakbud:

| | | | | | |
|--------|--------|--------|--------|--------|--------|
| 649 | 467 | 285 | 752 | 856 | 536 |
| $+325$ | $+592$ | $+346$ | -643 | -547 | -458 |

Egmenuwen teg panulu te liksiyun

1. Papitawa nu ka me istudanti te 5 ne sintabus. Ka 5 ne sintabus, sika ka pinakadeisek ne seleppi.
2. Panulua nu sikandan te eg-ilingen kayi teg sulat ka 5c ne sintabus emun ke igsulat diyet bulakbud. Egkaayun degma kag ilingen kayi: P0.05.
3. Pasulata nu ka me istudanti te 5c wey P0.05 diyet pepil ran, keilangan keep-at eglibera teg sulat ka 5c.
4. Papitawa nu sikandan te 10 sintabus. Ne panulua nu man-e sikandan keg menuwen teg sulat ka 10c wey P0.10
5. Panulua nu sikandan te daruwa ka paahi neg keyimu ne 10c:
2 ne 5 sintabus
1 ne 10 sintabus
6. Isulat nu seini diyet bulakbud wey paansila nu sikandan diyet bulakbud:
 $5c + 5c = \underline{\hspace{1cm}}$ $5c + 5c + 5c = \underline{\hspace{1cm}}$
 $10c + 5c = \underline{\hspace{1cm}}$ $5c + 10c = \underline{\hspace{1cm}}$
7. Papitawa nu sikandan man-e te 25 sintabus ne ilinga nu teg panulu kayi te 5c wey 10c.
8. Panulua nu sikandan te duma pad ne paahi neg keyimu ne 25c:
1 ne 25c
2 ne 10c wey 1 ne 5c
1 ne 10c wey 3 ne 5c
5 ne 5c



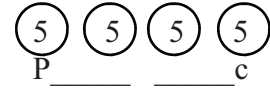
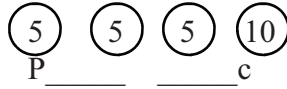
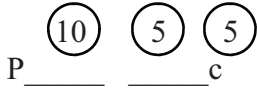
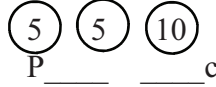
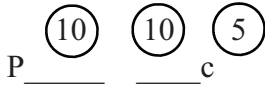
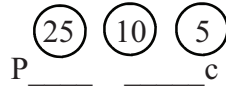
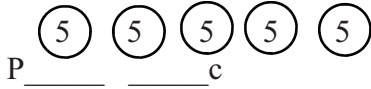
9. Idrwing nu seini diyet bulakbud wey paansili nu kandan te igpalalag de ke pila ne pibus ka tagse grupu:



10. Basaa nu ka guhuren kayi wey paansili nu kandan diyet bulakbud:
Miggendiye si Idi te tindaan su egbeli te kindi. 3 re ka kindi ne nabeli rin ne tag-5c sintabus ka tagse sabeka. Pilaa ka bayad te imbeli rin? ($5c + 5c + 5c = \underline{\hspace{1cm}}$)

Ka me asaynmin dan

1. Idrwing nu seini diyet bulakbud wey paansili nu te me istudanti diyet pepil ran ke pila ne pibus ka tagse grupu. Ka daruwa ne paahi teg sulat iling kayi: P0.25 wey 25c.



2. Pakuriki nu kandan ka malehet ne ansil diyet pepil ran.

Liksiyun 61

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg pegtimul te seleppi.

Ka eg-andamen nu diye te baley

1. Kuwa ka te pepil wey gisia nu wey isulat nu ka 5, 10, 25 diyet pepil nu, su ubag kun seleppi.
2. Kuwa ka te me panunggilingan iling te kasile, aheley,asin wey duma pad. Ne ipareket nu ka me prisyu diyet impanunggilingan iling kayi: 5c, 10c, 20c, 15c, 25c.
3. Kuwa ka te P1.

Egliberen ka miglihad ne liksiyun

1. Itahu nu ka me panunggilingan diyet tangkaan te me istudanti wey ka seleppi ne inggimu nu.
2. Peparaniya nu ka me istudanti diyet tangkaan nu su eyew “egbeli” sikandan te me panunggilingan ne impanguyan nu.

Egmenuwen teg panulu te liksiyun

1. Papitawa nu sikandan te P1 wey panulua nu sikandan keg menuwen teg sulat diyet bulakbud: P1.00.
2. Panulua nu sikandan te me paahi neg keyimu ka P1.00:
 - 4 ne 25c
 - 3 ne 25c, 2 ne 10c, 1 ne 5c
 - 3 ne 25c, 1 ne 10c, 3 ne 5c
 - 2 ne 25c, 5 ne 10c
 - 2 ne 25c, 4 ne 10c, 2 ne 5c
 - 1 ne 25c, 7 ne 10c, 1 ne 5c
 - 10 ne 10c
 - 5 ne 10c wey 10 ne 5c
 - 20 ne 5c...wey duma pad.
3. Itahu ka “seleppi” diyet tangkaan nu wey suhua nu ka me istudanti neg pakuen te seleppi ne taman te P1.00 diyet tangkaan nu.
4. Panulua nu sikandan te nenekeg-iling ka P1.00 te 100c.
P1.00 = 100c

Panulua nu sikandan te due tulduk su ka tulduk egpanulu te eletanan te pibus wey te sintabus.

5. Idrwing nu seinis me grupu te “seleppi” diyet bulakbud wey paansila nu ka me istudanti te igpalalag de kandan ke pila ne pibus ka tagse grupu:

(50) (25) (50) (10) (10) (5) (50) (25) (10) (10) (5)
 (25) (10) (10) (5) (50) (25) (25)

Ka me asaynmin dan

Idrwing nu seinis me grupu te seleppi diyet bulakbud wey paansila nu ka me istudanti diyet pepil ran. Pasulata nu sikandan te daruwan paahi teg sulat:

(5) (5) (25) (50) (10) (5) (50) (25)
 P _____ c P _____ c P _____ c

 (25) (25) (25) (25) (10) (10) (10) (10) (10) (25) (25) (25)
 P _____ c P _____ c P _____ c

 (50) (10) (10) (10) (50) (25) (25) (25) (10) (10) (10)
 P _____ c P _____ c P _____ c

 (50) (50) (25) (25) (25) (25) (10) (5)
 P _____ c P _____ c P _____ c

 (50) (5) (5) (5) (10) (10) (5) (5) (5) (50) (10)
 P _____ c (5) (5)
 P _____ c P _____ c

Pakuriki nu te me istudanti ka malehet ne me ansil ran.

Liksiyun 62

Tuyu

Iyan tuyu kayi su eyew egpekeila ka me istudanti te P5, wey P10. Ka igkarangeb ne tuyu kayi su eyew egkateu ran neg seel te seleppi.

Ka eg-andamen nu diye te baley

1. Kua nu ka pepil ne inggimu nun “seleppi”. Ne himuwa nu man-e ka P5 wey P10 ne “seleppi”.
2. Ke due malehet ne seleppi nu ne P5 wey P10, uyana nu seini diyet kalasi nu. Ke ware seleppi nu, ware prublima.
3. Kua nu man-e ka me panunggilingan nu iling te kasile, aheley, binggala wey ipatitinda nu ka me istudanti wey keilangan ne egtahuan te me prisyu ka igtinda. Iling te 50c, P1, P2, P5, wey P10 ka me prisyu.

Egliberen ka miglihad ne liksiyun

- a. Idrwing nu seinis seleppi diyet bulakbud wey paansila nu ka me istudanti ke pilaa ka seleppi diyet tagse grupu:



- b. Ipeparani nu ka me istudanti diyet marani te intahuan te “seleppi” wey suhua nu sikandan teg kuwa te seleppi:
 - a) Kuwa ka te sinsiliyu taman te 90c.
 - b) Kuwa ka te sinsiliyu taman te 85c ...wey duma pad.

Egmenuwen teg panulu te liksiyun

1. Ipatitaw nu te me istudanti ka me sinsiliyu te seleppi nu wey panulua nu sikandan keg menuwen teg sulat iling kayi:
 - lalimman pisus P5.00
 - sapulun pisus P10.00
2. Panulua nu sikandan te me paahi neg keyimu ne:
 - P5
 - 5 ne P1
 - 4 ne P1 wey 4 ne 25c
 - 3 ne P1 wey 8 ne 25c
 - 3 ne P1 wey 4 ne 25c wey 10 ne 10c
 - ..wey duma pad.
 - P10
 - 2 ne P5
 - 1 ne P5 wey 5 ne P1
 - 10 ne P1
 - 9 ne P1 wey 4 ne 25c
 - ...wey duma pad.

3. Panulua nu sikandan keg menuwen teg seel ka seleppi iling kayi. Idruwing nu diyet bulakbud ka “seleppi”:

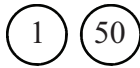
5 1 1 25

Kahii nu sikandan te “Kuwa kew te dakel ne seleppi iling te P5 kayi, wey pegsinundula niyu ka P1 , P1 wey 25c. Ne seela niyu ka P5, P6,P7, P7.25.”

4. Kua nu ka “seleppi” wey seela nu su eyew egkateu ka me istudanti.
 5. Peparaniya nu ka me istudanti diyet marani te “seleppi” ne panlimura nu ka seleppi wey ipaseel nu kandan.
 6. Patitindaa nu sikandan iling te inlihad ne liksiyun.

Ka me asaynmin dan

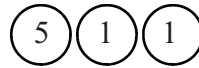
1. Idruwing nu seini diyet bulakbud wey paansila nu sikandan diyet pepil ran:



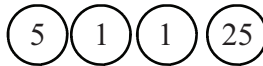
P_____



P_____



P_____



P_____



P_____

P_____



P_____



P_____

2. Isulat nu seini diyet bulakbud wey paansila nu sikandan diyet pepil ran:

$$P5 + P1 + P1 = \underline{\hspace{2cm}}$$

$$P1 + P1 + 25c = \underline{\hspace{2cm}}$$

$$P1 + P1 + 10c = \underline{\hspace{2cm}}$$

$$P1 + P1 + P1 = \underline{\hspace{2cm}}$$

$$P1 + P1 + 25c + 25c = \underline{\hspace{2cm}}$$

$$P5 + P5 = \underline{\hspace{2cm}}$$

$$P5 + P1 + P1 = \underline{\hspace{2cm}}$$

$$P1 + P1 + 25c + 10c + 5c = \underline{\hspace{2cm}}$$

3. Pakuriki nu kandan ka malehet ne me ansil ran.

Liksiyun 63

Tuyu

Iyan tuyu kayi su eyew mahaan egkateu ka me istudanti neg balansi te seleppi wey eyew egkateu ran neg pitew te seleppi ne P20, P50, P100.

Ka eg-andamen nu diye te baley

1. Kua nu ka inggimu nun “seleppi” ne pepil.
2. Himu ka te “seleppi” ne P20, P50, wey P100.

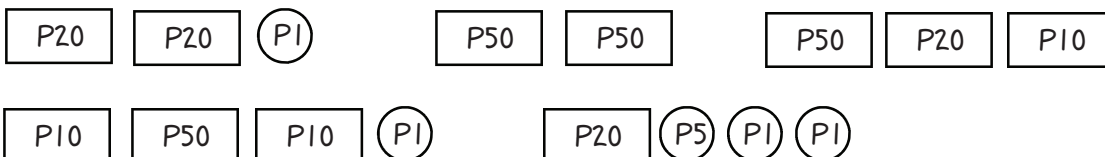
Egliberen ka miglihad ne liksiyun

- a. Ipeparani nu ka me istudanti diyet marani te intahuan te “seleppi” wey suhua nu sikandan:
 - a) Kuwa ka te lain-lain ne sinsiliyu neg ginguma te P5.
 - b) Kuwa ka te lain-lain ne sinsiliyu neg ginguma te P3.50.
 - c) Kuwa ka te lain-lain ne sinsiliyu neg ginguma te P4.75.
2. Paseela nu ka me istudanti te inlimud ne seleppi.

Egmenuwen teg panulu te liksiyun

1. Panulua nu sikandan keg menuwen teg sulat te P20, P50, wey P100:
daruwampulu ne pibusP20
lalimampulu ne pibus P50
sabekan gatus ne pibus P100
2. Panulua nu sikandan te kalasi wey paahi te seleppi:

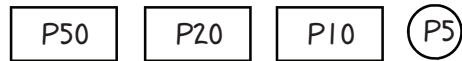
| | | |
|------|------------------------------------|------------------|
| P20 | 2 ne P10 | |
| | 4 ne P5 | |
| | 1 ne P10 wey 2 ne P5 | |
| | 3 ne P5 wey 5 ne P1 | |
| | 2 ne P5 wey 10 ne P1 | ...wey duma pad. |
| P50 | 5 ne P10 | |
| | 2 ne P20 wey 1 ne P10 | |
| | 4 ne P10 wey 2 ne P5 | |
| | 3 ne P10 wey 4 ne P5 | ...wey duma pad. |
| P100 | 5 ne P20 | |
| | 2 ne P50 | |
| | 10 ne P10 | |
| | 1 ne P50 wey 2 ne P20 wey 1 ne P10 | |
| | 4 ne P20 wey 2 ne P10 | ...wey duma pad. |
3. Idruwing nu seini diyet bulakbud wey ipaseel nu kandan:



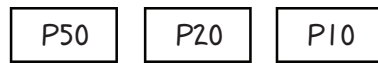
4. Ipasuman-suman nu kandan keg menuwen teg seel te seleppi, egbunsud te kinarakelan ne seleppi neg pendiyete kinareisekan ne seleppi.

Ka me asaynmin dan

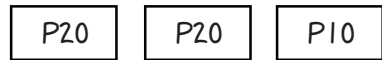
1. Kua nu man-e ka pepil ne inggimu nun “seleppi” wey peparaniya nu ka me istudanti wey ipaseel nu kandan. Ispurtanti neg seel sikandan neg bunsud te dakel ne “seleppi” neg pendiyete deisek ne “seleppi”.



2. Idruwing nu seini diyet bulakbud wey paansila nu sikandan diyet pepil ran:
 3. Pakuriki nu kandan ka malehet ne me ansil ran.



P_____



P_____



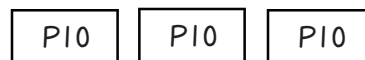
P_____



P_____



P_____



P_____

Liksiyun 64

Tuyu

Iyan tuyu kayi su eyew egkateu ka me istudanti neg pegtimul wey egpeg-awe te seleppi.

Ka eg-andamen nu diye te baley

Kua nu ka inggimu nun“seleppi”.

Egliberen ka miglihah ne liksiyun

1. Kua nu man-e ka inggimu nun “seleppi” iling te hun-an liksiyun. Ne suhua nud man-e sikandan neg pakuen te seleppi.
2. Ipaseel nu te me istudanti ka “seleppi” ne impakuwa nu kandan.

Egmenuwen teg panulu te liksiyun

- a. Isulat nu seini diyet bulakbud:

$$\begin{array}{r} P5.50 \\ + 2.25 \\ \hline \end{array} \quad \begin{array}{r} 1110 \\ \cancel{11.00} \\ - 6.50 \\ \hline \end{array}$$

Panulua nu sikandan meytenged teg pegtimulen wey eg-awaan ne seleppi. Iling ded degma ka seleppi neg pegtimulen wey eg-awaan te me numiru. Piru ispurtanti neg pitawen niyu ka tulduk wey egtahuan niyu diye te elat.

- b. Isulat nu ka дума ne me panunggilingan diyet bulakbud wey bulihi nu sikandan teg ansil:

$$\begin{array}{r} P2.45 \\ + 1.50 \\ \hline \end{array} \quad \begin{array}{r} P10.50 \\ + 4.25 \\ \hline \end{array} \quad \begin{array}{r} P65.00 \\ + 4.75 \\ \hline \end{array} \quad \begin{array}{r} P75.25 \\ + 25.00 \\ \hline \end{array} \quad \begin{array}{r} P45.00 \\ 2.15 \\ + 15.10 \\ \hline \end{array}$$

- c. Basaa nu ka guhuren kayi wey paansila nu ka me istudanti te igpalalag de:
- a) Migpamalingki si Ading diyet Tawas. Nakabeli sikandin te sabekan kilu ne hemey bali te P20, sabekan pakit ne Maggi bali te P5.50, sabekan putus ne asin bali te P2, wey sabekan butiliya ne mantika bali te P16. Pilaa langun ka bayad te imbeli rin?

$$\begin{array}{r} P20.00 \\ 5.50 \\ 2.00 \\ + 16.00 \\ \hline \end{array}$$

- b) Masulug ne gulay diyet kamet te iney ku. Migpamelegye ka iney ku te kintaki bali te P15, kamatis bali te P8, sibuyas dewun bali te P5 wey udlut te sayuti bali te P7.50. Pilaa ka seleppi ne nadawat din?

$$\begin{array}{r}
 P15.00 \\
 8.00 \\
 5.00 \\
 + \underline{7.50}
 \end{array}$$

Ka me asaynmin dan

2. Isulat nu seini diyet bulakbud wey paansila nu sikandan diyet pepil ran. Paay-ayara nu sikandan keg pekegsewug kag pegtimulen wey ka eg-awaan ne seleppi:

| | | | | | |
|---------------|---------------|---------------|---------------|----------------|----------------|
| P3.25 | P5.00 | P65.25 | P8.00 | P7.50 | P55.00 |
| <u>+ 4.20</u> | <u>- 2.50</u> | <u>+ 4.20</u> | <u>+ 4.50</u> | <u>- 5.00</u> | <u>- 25.00</u> |
| P62.00 | P75.00 | P9.50 | P7.20 | P15.00 | P6.20 |
| <u>+ 8.00</u> | <u>- 5.50</u> | 2.50 | 10.50 | 9.50 | 6.20 |
| | | <u>+ 6.00</u> | <u>+ 9.00</u> | 7.25 | 9.50 |
| | | | | <u>+ 14.00</u> | <u>+ 7.00</u> |

3. Basaa nu ka guhuren kayi wey paansila nu sikandan diyet pepil ran:

Miggendiye si Wining te tindaan su migbeli sikandin te sabekan timman ne tinapa ne bali te P8.50, ½kg asukar bali te P8.00, sabekan tamped ne sebun bali te P5.00, wey 1kg ne lansang bali te P35.00. Pilaa langun ka bayad te imbeli rin?

4. Pakuriki nu kandan ka malehet ne me ansil ran.

Liksiyun 65

Tuyu

Iyan tuyu kayi ka egpatitindeen ka me istudanti.

Ka eg-andamen nu diye te baley

1. Kua nu ka “seleppi” ne inggimu nu.
2. Kuwa ka man-e te me panunggilingan iling te keenen, prutas, liyang, ikam, kumbale, sepatas, ...wey duma ne me kasangkapan su igtinda wey sika kag beliyen te me istudanti.

Egliberen ka miglihahad ne liksiyun

1. Alam ka te sabeka ne istudanti neg keyimu ne tindira.
2. Ipatahu nu diye te lamisa ka langun ne impanguyan nu ne me kasangkapan su eyew sika kag beliyen dan. Ne ka seleppi ne impangimu nu, ipamehey nu diyet langun ne me istudanti su eyew iyan dan eggamiten teg bebeli.

Egmenuwen teg panulu ka liksiyun

- a. Isulat nu seini diyet bulakbud:

| Ka me bineliyen | | | |
|-----------------|--------|-----|-------------|
| P5 | sebun | P18 | hemey/kg |
| P3 | asin | P14 | giniling/kg |
| P1.50 | sipuru | P5 | kasile/kg |

- b. Basaa nu ka guhuren kayi wey paansila nu ka me istudanti diyet bulakbud:
 - a) Nakabeli ka iney ku te 1 ne putus ne asin, wey 1 ne tamped te sebun wey 1 ne kilu ne hemey. Pilaa ka bayad te nabeli rin? ($P3 + P5 + P18 = \underline{\quad}$)
 - b) Nakabeli ka kakey ku te 1 ne timman ne sipuru, 1 ne kilu ne hemey, 1 ne kilu ne kasile. Pilaa langun ka bayad te nabeli rin? ($P1.50 + P18 + P5 = \underline{\quad}$)
 - c) Nakabeli a te 2 ne putus te asin, 1 ne timman ne sipuru, wey 2 ne kilu ne hemey. Pilaa ka bayad te nabeli ku? ($P3 + P3 + P1.50 + P18 + P18 = \underline{\quad}$)
 - d) Nakabeli ka apu ku te 2 ne tamped te sabun wey 1 ne putus ne asin. Pilaa ka bayad te nabeli rin? ($P5 + P5 + P3 = \underline{\quad}$)
 - e) Nakabeli si Alin te 1 ne kilu ne hemey, 1 kilu ne giniling wey 1 ne tamped ne sabun. Pilaa ka bayad din? ($P18 + P14 + P5 = \underline{\quad}$)

Ka me asaynmin dan

a. Isulat nu seini diyet bulakbud:

| <u>Ka me keenen kayi</u> | | | |
|--------------------------|-------|-------|--------|
| P5 | hemey | P20 | babuy |
| P9 | gulay | P23 | manuk |
| P15 | isda | P1.50 | sahing |
| P8 | kuuk | | |

- b. Basaa nu ka guhuren kayi wey paansila nu ka me istudanti diyet pepil ran. Migsanggal ka Batsilur diyet Buda. Nambebeli ka me etew te iglem-ag dan.
- Due lukes ne migbeli te 1 ne pinggan ne hemey, wey 1 ne yahung ne gulay wey 1 ne sahing. Pilaa ka ingkabayad din?
 - Due lain ne lukes ne migbeli te 1 ne pinggan ne hemey, 1 ne getad ne isda wey 1 ne kuk. Pilaa ka ingkabayad din?
 - Due talaanak ne migbeli sikandan te 2 ne pinggan ne hemey, 1 ne getad ne babuy wey 2 ne kuk. Pilaa ka ingkabayad dan?
 - Due sabekan kanakan ne migbeli te 1 ne pinggan ne hemey, 1 ne yahung ne gulay, 1 ne getad ne manuk wey 1 ne kuk. Pilaa ka ingkabayad din?
3. Pakuriki nu te me istudanti ka malehet ne me ansil ran.

Liksiyun 66

Tuyu

Iyan tuyu kayi su eyew egpakabebasbas ka me istudanti te timbangan.

Ka eg-andamen nu diye te baley

1. Ke due timbangan diyet baley niyu gamita nu, piru ke ware, kua nu ka inggimun pepil ne timbangan. Gamit ka te salmun ke due.
2. Kua nu ka “seleppi” ne inggimu nu dengan.

Egliberen ka miglihat ne liksiyun

1. Isulat nu seinis “seleppi” diyet bulakbud wey peparaniya nu ka me istudanti diyet marani te “seleppi”. Neg kataman, ipakuwa nu kandan ka seleppi ne egpekeiling te insulat nu diyet bulakbud:

P45.40 P56.25 P80.55 P75.15 P35.10 P25.85

Ipaseel nu te me istudanti ka seleppi neg puun te dakel peendiye te deisek.

Egmenuwen teg panulu te liksiyun

1. Pegpalalahey kew meytenged te ginantang ne sistima te hemey wey tinimbang ne hemey.
2. Insei nu sikandan:
 - ke pilaan salmun ne hemey ka sabekan gantang?
 - wey ke pilaan gantang ne hemey ka sabekan lata?
 - wey ke pilaan lata ne hemey ka sabekan saku?
3. Ke due istudanti ne ware pad nateu kayi ipamimurayis nu kandin ka iling kayi:
 - Emun hemey 6 salmun = 1 gantang
 - 6 gantang = 1 lata
 - 3 lata = 1 saku.
4. Kua nu ka timbangan ne pepil wey papitawa nu ka me istudanti. Ne ipatinuru nu ka igtinuru te 1 kilu, wey panulua nu degma sikandan te sabeke e ne kilu sika. Panulua nu degma te
 - $1\text{kg} = 2\frac{1}{2}$ salmun ne hemey.
5. Insei nu sikandan ke pilaan kabehat ka iling te kabehat te 1kg? (iling te deisek ne manuk, me 4 ne kasile, me $2\frac{1}{2}$ salmun te giniling)
6. Igalin nu ka igtinuru diyet 2kg wey panulua nu sikandan te 2kg e sika. Igalin nu man-e ka igtinuru diyet 3kg. Ipabulus nu teg galin ka igtinuru taman te 10kg.
7. Panulua nu sikandan teg ilingen teg sulat ka kilu su “kg”. Isulat nu seini diyet bulakbud.
8. Galina nu ka igtinuru diyet $\frac{1}{2}$ kg wey panulua nu sikandan te liware ne kg. Galina nu man-e ka igtinuru diyet $1\frac{1}{2}$ kg wey panulua nu sikandan te sabekan kilu wey liware. Ipabulus nu teg galin taman te $9\frac{1}{2}$ kg.

9. Isulat nu diyet bulakbud ka $\frac{1}{2}$ kg wey panulua nu sikandan te $\frac{1}{2} =$ liware. Saatu-pa emun igsulat ka sabekan kilu wey liware ilingen kayi teg sulat, “ $1\frac{1}{2}$ kg” ... wey duma pad.
10. Halhalina nu ka igtinuru te timbangan puun te 1kg taman te 10kg, wey $1\frac{1}{2}$ kg taman te $9\frac{1}{2}$ kg, wey paansila nu ka me istudanti te igpalalag de.
11. Isulat nu seini diyet bulakbud wey palalaha nu ka me istudanti ke pilaa ne kilu:

| | | | | | | |
|-------------------|-------------------|-------------------|-------------------|-------------------|-----|------------------|
| 6kg | $4\frac{1}{2}$ kg | 9kg | $8\frac{1}{2}$ kg | $6\frac{1}{2}$ kg | 3kg | $\frac{1}{2}$ kg |
| $2\frac{1}{2}$ kg | 5kg | $7\frac{1}{2}$ kg | 10kg | $1\frac{1}{2}$ kg | 7kg | 4kg |

12. Basaa nu ka guhuren kayi wey paansila nu sikandan diyet bulakbud:

Diye migpuun ensi Lindu te baley ran ne egpeendiye sikandan te galingan. Migpatimbang sikandan te paley. Due 35kg te paley ni Lindu wey ka duma rin due 38kg ne paley rin. Pilaa langun ne kilu ka paley ran? ($35 + 38 = \underline{\quad}$)

Ka me asaynmin dan

1. Basaa nu ka guhuren kayi wey paansila nu sikandan diyet pepil ran:

Miggendiye si Mirni te tindaan su egbeli te hemey. Due alukuy rin ne si Hini, migbeli rin degma te hemey. Nakabeli si Mirni te 15kg ne hemey wey ka alukuy rin nakabeli degma te 12kg. Pilaan kilu ka nabeli ran?
2. Halhalina nu ka igtinuru te timbangan diyet te natuenan dan e ne kilu wey pasulata nu sikandan diyet pepil ran ke pilaa ne kilu ka impitew ran.
3. Pakuriki nu kandan ka malehet ne me ansil ran.

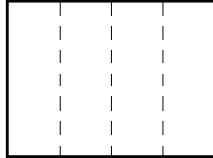
Liksiyun 67

Tuyu

Iyan tuyu kayi su eyew egpakabebasbas man-e ka me istudenti te timbangan.

Ka eg-andamen nu diye te baley

1. Kua nu ka timbangan.
2. Kuwa ka te pepil ne egbaglisan nu iling kayi:



Egliberen ka miglihahad ne liksiyun

Halhalina nu ka igtinuru diyet timbangan te natuenan dan e ne kilu wey paansila nu sikandan te igpalalag de.

Egmenuwen teg panulu te liksiyun

1. Kua nu ka pepil ne imbaglisan nu. Lupia nu seini diyet elat ne kahii nu sikandan te imegliware e ka pepil. Tampera nu ka pepil. Lupia nu man-e te sabekan timman ne pepil ne kahii nu man-e sikandan te pegliwareen e man-e ka liware te sabekan timman ne pepil, saatu-pa liware te liware e kuntee.
2. Panulua nu sikandan te emun liware te liware egngaranan te $\frac{1}{4}$ (**one fourth** ke Ininglis). Isulat nu diyet bulakbud $\frac{1}{4}$ wey panulua nu sikandan teg menuwen teg sulat ka $\frac{1}{4}$.
3. Papitawa nu sikandan te $\frac{1}{4}$ kg diyet timbangan nu, wey $1\frac{1}{4}$ kg, $2\frac{1}{4}$ kg, taman te $9\frac{1}{4}$ kg.
4. Kua nu man-e ka pepil ne intamped nu wey papitawa nu sikandan te $\frac{1}{2}$ ne pepil egpegtimulen te $\frac{1}{4}$ egngaranan te $\frac{3}{4}$ (**three fourths**).
5. Panulua nu sikandan keg menuwen teg sulat te $\frac{3}{4}$ diyet bulakbud.
6. Panulua nu sikandan te $\frac{3}{4}$ kg, $1\frac{3}{4}$ kg, taman te $9\frac{3}{4}$ kg diyet timbangan.
7. Halhalina nu ka igtinuru diyet timbangan wey insei nu sikandan ke pilaa ne kilu ka iling kayi:

$\frac{3}{4}$ kg 2kg $4\frac{1}{2}$ kg 6kg $7\frac{1}{4}$ kg $8\frac{3}{4}$ kg $5\frac{1}{2}$ kg wey duma pad.

8. Basaa nu ka guhuren kayi wey paansila nu sikandan diyet bulakbud:

Migbelegye si Jun te 27kg ne aheley wey 36kg ne paley. Pilaa langun ne kilu ka imbelegye din?

Ka me asaynmin dan

1. Basaa nu ka guhuren kayi wey paansila nu sikandan diyet pepil ran:

Te timpu te pista, migbelegye si Datu Unang te 15kg ne kalni te babuy te Lunis. Wey te Martis migbelegye din man-e te 19kg ne kalni te babuy. Pila ne kilu ka imbelegye din?

2. Halhalina nu ka tinuru te timbangan wey paansila nu ka me istudanti diyet pepil ran ke pila ne kilu kag katinuru:

4kg 6 $\frac{1}{4}$ kg 8 $\frac{1}{2}$ kg 3 $\frac{1}{4}$ kg 5 $\frac{3}{4}$ kg 7kg 9 $\frac{1}{2}$ kg 6 $\frac{1}{2}$ kg

2 $\frac{1}{2}$ kg $\frac{3}{4}$ kg 1 $\frac{3}{4}$ kg 5 $\frac{1}{2}$ kg 9 $\frac{1}{4}$ kg 8 $\frac{3}{4}$ kg 2kg 3 $\frac{1}{2}$ kg.

3. Pakuriki nu kandan ka malehet ne me ansil ran.

Liksiyun 68

Tuyu

Iyan tuyu kayi su eyew egkateu sikandan neg seked te kalayat.

Ka eg-andamen nu diye te baley

1. Kua nu ka timbangan.
2. Kua nu ka palastik ne rulir. Kuwa ka te me sugpang te kayu wey tampera nu ka kayu eleg te sabekan depa.
3. Kuwa ka te sabekan lansang, palatu, wey basu.

Egliberen ka miglihahad ne liksiyun

Kua nu ka timbangan wey halhalina nu ka tinuru diyet kilu ne natuenan dan te seeye se hun-a ne liksiyun wey paansili nu kandan te igpalalag de.

Egmenuwen teg panulu te liksiyun

- a. Kahii nu sikandan te pila buwan depa ka kalayat te kalasiyananan? (Ipaantuk nu te me istudanti). Ipaseked nu kandan ke pilan depa ka kalasiyanan.
- b. Iparangew nu kandan ke pilaan dangew ka pinnuuwan dan. Isulat nu ka me ansil ran diyet bulakbud.
- c. Panulua nu sikandan te ware nekeg-iling ka kalayat te pinnuuwan su dipindi te kalayat te dangew te etew. Emun malitan deisek ka dangew rin te dangew te lukes.
- d. Panulua nu sikandan te kenen keilangan neg gamit ka me tindira te dangew, depa wey kemel teg seked su nalain-lain ka kalayat te belad te me etew.
- e. Kua nu ka rulir nu wey papitawa nu sikandan te kayalat te sabekan mitrus. Kahii nu sikandan te ka 1m hapit nekeg-iling te liware te depa. Panulua nu sikandan keg menuwen teg sulat te 1m diyet bulakbud.
- f. Ipamehey nu ka me sugpang diye te me istudanti wey ipaseked nu kandan ka:

- a) kalayat te kalasiyanan
- b) kalayat te pinuuwan
- c) kalayat te bulakbud
- d) kaluag te bulakbud
- e) kalayatan puun te bulakbud neg peendiyet gumawan

...wey дума pad.

7. Panulua nu sikandan te meupiya kag mimitrus te langun ne me malayat. Piru emun deisek, kenen keilangan neg mitrusan. Emun egsekeren ka iling te lansang, kene eggamit te mitrus su iyan eggamiten ka sintimitirs. Ka kalayat te sabekan sintimitir, hapit egpekeg-iling te kaluag te sabekan kemel.
8. Panulua nu sikandan keg menuwen teg sulat te sintimitirs (cm) diyet bulakbud.
Panulua nu degma sikandan te $100\text{cm} = 1$ mitrus.
Papitawa nu sikandan ke hendeid ka cm diyet rulir nu.
9. Kuwa ka te lansang, palatu, basu, lapis, libru, wey дума pad. Ipeparani nu ka me istudanti diye te due me panunggilingan wey ipaseked nu kandan ke pila ne cm ka kalayat.
10. Peparaniya nu ka me istudanti te rulir wey insei nu sikandan ke hendeid ka 50cm, 60cm, 30cm, 90cm, wey дума pad.
11. Ipaseked nu kandan ka дума pad su eyew egpakabebasbas sikandan neg seked.

Liksiyun 69

Tuyu

Iyan tuyu kayi su eyew egpakabebasbas man-e ka me istudanti neg seked (te kalayat wey kariyu).

Ka eg-andamen nu diye te baley

1. Kua nu ka rulir, wey ka sugpang ne inggamit nu te inlihad ne liksiyun.
2. Kuwa ka te me panunggilingan ne igpaseked nu te me istudanti.

Egliberen ka miglihad ne liksiyun

1. Insei nu ka me istudanti ke pilaan kalayat ka sabekan mitrus (1m) wey sabekan sintimitir (1cm) (liwaret depa ka kalayat te sabekan mitrus wey iling te kaluwag te kemel ka kalayat te 1 sintimitir).
2. Insei nu sikandan ke pilaa ne sintimitir (cm) ka 1m. (100)
3. Kuwa ka te me panunggilingan wey ipaseked nu te me istudanti. Ipaseked nu man-e te duman istudanti ka kaluag te kalasiyanan, wey duma pad. Wey pakua nu man-e sikandan te me sugpang.

Egmenuwen teg panulu te liksiyun

- a. Kahii nu sikandan te iyan de eggamiten teg seked ka milimitir ke deisek de kag sekeren. Deisek amana ka milimitir (mm). Ka kalayat te 1mm iling te igsulat te lapis ka reisek. Due 10mm te 1cm. Eggamit ka me etew te milimitir su eyew egkeinsaktu ka kalayat. Ka me mambebeley ne me etew, wey ka me maneneyi ne etew te manggad eggamit sikandan te milimitir degma.
- b. Panulua nu sikandan keg menuwen teg sulat te milimitir (mm) diyet bulakbud. Papitawa nu sikandan ke hendeid ka mm diyet rulir nu.
- c. Pasekera nu ka me istudanti te me dereisek ne panunggilingan, iling te tipey, batu, dewun, bulak, wey iling te igsulat te lapis, ...wey duma pad.
- d. Pasuman-sumana nu sikandan te:

10 milimitir (mm) = 1 sintimitir (cm)

100 sintimitir (cm) = 1 mitir (m)

e. Ipaantuk nu te me istudanti ka kaluwag wey kalayat te me panunggilingan. Ipaantuk nu kandan ka kalayat te impanulat kayi te diralem wey ipaseked nu kandan su eyew egkanengnengan dan ka malehet ne ansil:

- a) kalayat te lapis
- b) kalayat te sinilis
- c) kaluag te kalasiyanan
- d) kalayat te gumawan
- e) kaluwag te tipey
- f) kaluwag te nutbuk
- g) kalayat te belad
- h) kalayat te pinuuwan
- i) kaluag te sulu te kemel
- j) kalayat te sabekan dangew
- k) kaluag te bintana te kalasiyanan
- l) kalayat te sugkad

...wey duma pad.

Liksiyun 70

Tuyu

Iyan tuyu kayi su eyew egpakabebasbas man-e ka me istudanti neg seked te kariyu.

Ka eg-andamen nu diye te baley

Kua nu ka rulir.

Egliberen ka miglihad ne liksiyun

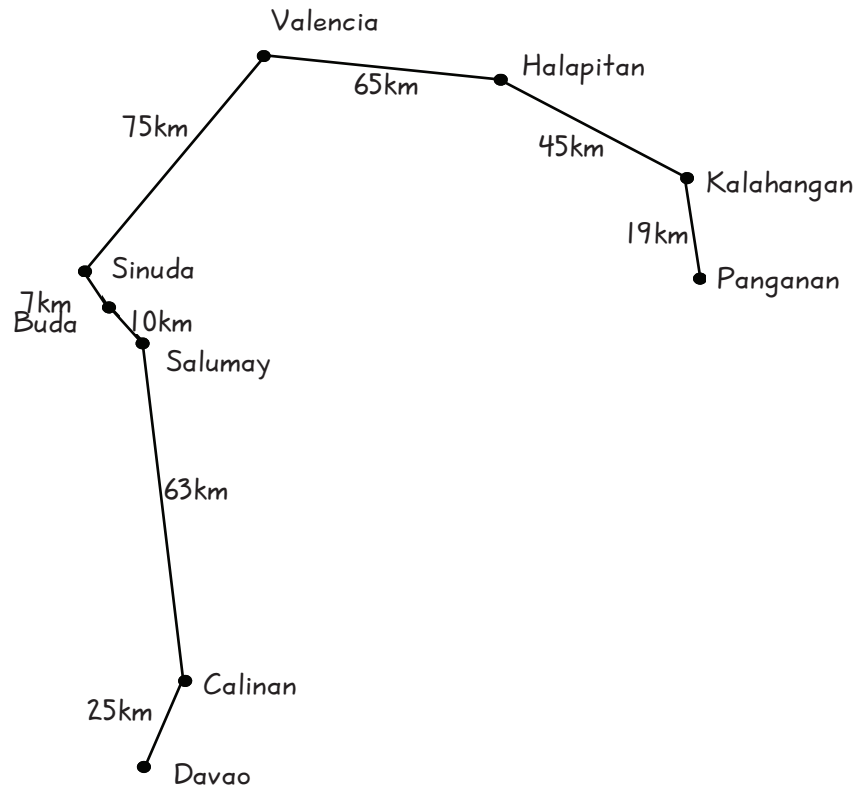
1. Insei nu ka me istudanti ke pilan milimitir (mm) = 1 sintimitir (cm) (10)
ke pilan sintimitir (cm) = 1 mitir (m) (100)
2. Pasekera nu ka me istudanti te masulug ne me panunggilingan diyet kalasiyanan.

Egmenuwen teg panulu te liksiyun

- a. Panulua nu sikandan te emun egkeupian neg seked te kariyu kene eggamit te mitrus su malepet de ka mitrus. Keilangan ne iyan eggamiten ka kilumitrus (km). Sabekan kilimitrus (km) = 1000 ne mitrus (m). Emun eggipanew ka etew egpakalapas te me 6 kilimitrus (km) te sabekan uras.
- b. Panulua nu sikandan keg menuwen teg sulat te kilimitrus (km) diyet bulakbud.
- c. Basaa nu ka guhuren kayi wey paansila nu sikandan diyet bulakbud:
 - a) Migselem-selem si Nini ka miggipanew ne migpuun te Patag. Me 9km ka kariyu puun te Patag peendiye te Salumay. Ne puun te Salumay mig-untud sikandin te Batsilur neg peendiyet Kalinan ne 63km ka kariyu. Nataman mig-untud din e man-e te mutur neg pendiyet inged dan te Sirib, ne 25km puun te Kalinan. Meudtu e nekeyinguma si Nini diyet inged dan te Sirib. Pila ne km puun te Patag neg pendiyet inged ni Nini? ($9 + 63 + 25 = \underline{\quad}$)
4. Insei nu sikandan ke nekey-a kag gamiten dan (mm, cm, m, km) ne igseked te:
 - a) kalayat te basketbulan (m)
 - b) kalayat te iyam ne lapis (cm)
 - c) kalayat te kayu (m)
 - d) kalayat te baley (m)
 - e) kalayat te etew (cm)
 - f) kaluag te libru (cm)
 - g) kariyu puun te Simud neg peendiyet Panganan (km)
 - h) kaluag te tipey.

Ka me asaynmin dan

1. Idruwing nu ka mapa iling kayi diyet bulakbud ne paansila nu sikandan:



2. Pilaa ne me kilimitrus puun te:
- Davao neg pendiyet Salumay
 - Salumay neg pendiyet Buda
 - Buda neg pendiyet Simud
 - Simud neg pendiyet Valencia
 - Valencia neg pendiyet Halapitan
 - Halapitan neg pendiyet Kalahangan
 - Kalahangan neg pendiyet Panganan.
3. Pilaa ne me kilimitrus puun te:
- Davao neg pendiyet Simud
 - Panganan neg pendiyet Halapitan
 - Valencia neg pendiyet Buda
 - Valencia neg pendiyet Panganan
 - Halapitan neg pendiyet Simud
4. Pakuriki nu kandan ka malehet ne me ansil ran.

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