

K'OT'OK IKA

1tse tur 10 bodfetso beyiru taawef taawotsi

K'ot'okansh iimetskati sayito 30

K'ot'okan jam k'os'otsi

Daniruwots k'ot'okan danbok're okon

- 1 tse tur 10 bodfetso beyiru taawef taawotsi nababonat k'op'on falituno.
- 1 tse tur 10 bodfetso beyiru taawef taawotsi nokoriyo falituno.
- Taawots shinoat shutson danetuno.
- 1 tse tur 10 bodfetso beyiru taawef taawotsi jagmob “ < ” nat “ = ” aranots keewo falituno.
- 1tse tur 10 bodfetso beyiru taawef cancel the lihe taawots shine shutso danetuno.

Daniyruwo ayiyruwoni/gawirvni

Daniru wots k'ot'okanitse haniye dabi keewets k'os'otsi danetuno. K'os'otsitse iko taawef taawotsi dana. Taawef taawotsi etefots 1tse tur ikiko dabfets nodatsit taawotsi. Bomo 1, 2, 3, 4, 5, etefotsi. Daniruwots taawanotston bodanet koyetsotsi finarni. K'at'anitse “ koyets k'ac'ots koyetsotsi etekno” err daniru wotssh keewo geyife. Koyetsotsi daniyor boyitsi k'ac'otsi taawo daniya bako k'osh keewotsi daniyo geyiratse. Wotowabako koyetsotsn daniru wots taawotsi bodanetuwok'o k'alo geyife.

K'at'anitse taawots shine shutso daniyo geyife. Iimets taaw ikatse ik taawon muk'tuwo shina eteka. Iimets taaw ilatse ikon bogetuwo taawo shutsa eteka.

Ariya 2 3 shina

3 2 shutsa.

Taawotsi muk'atse tur eenomand shine shutson nababiyonat k'op'on ani eenatse tur muk'omandan shine shoutson nababiyonat k'op'on taawots shine shuyso galosh geyife.

K'ot'okanitse daniruwots taawotsi bogalotse beyiru keewotsn on jagidere bodanetuwok'o k'alo sheenga.

Ariya Elta, bod'I guba..... artsotsi

1.1. 1 tse tur 5 bodfetso beyiru taawef taawots shine shutsa.

Danhansh iimets sayito 15

Dan han sgets k'os'wotsi

Dan c'ucshahive haniye okon daniruwots

- 1tse tur 5 bodfetso beyiru taawef taawotsi nababonat k'op'on faliturno.
- “ < ”, “ > ” nat “ = ” c'iranots k'osh k'oshiyo dander bon fintuno.
- 1tse tur 5 bodfetso beyiru taawef taawots shine shotso muk'ats tur eenomandan eenatse tur muk'o mandan nababonat k'op'on falituno.

Daniyi ayiyi k'a'otsi

Abakesiya, 1tse tur 5 bodfetso beyiru taawef taawotsi detsts flesh kardiyotsi, “ < ” , “ > ” nat “ = ” c’irotsi detsts flesh kardiyotsi.

Dano daniyor dani t’int’ina

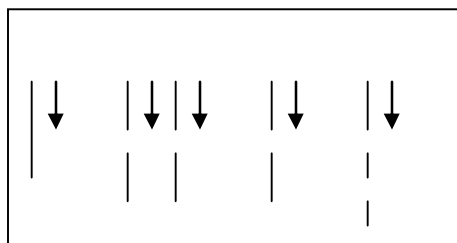
Fin 1.1. 1tse tur 5 bodfetso beyiru taawf taawotsi daniya.

K’osh k’osh koyiyotsi k’anider koyiyotse byiru keewots utsoniye bbowaWok’o k’alder danituwotssh awne ayoni err aata. Manatse danituwots mas’afatse kaw 1 nat 2tse beyiru aatotsi bok’aron bo’anituwok’o k’ala. Boga, muk’a,tala etefots c’iro daniruwots bondanftse shinon bon dek’o bash geyiratse.

Ik k’ac’ bar detsts k’osh k’osh koyiytsu kitsr han “ ika” etefo. Err anani keew ak marats ik bodanetu wok’o k’ala.

Iku k’op’eyor “1” hani biar er kitsi. Ik taawan k’sh taawotsatse wokin k’osh keewotsatse gcuder nodanet c’iranna bahuts kopon er anani Flesh kardiyats kitsr danitu wots bogalotse bodatsit keewon bofinituwok’o k’alr dani.

Ak marats jindo dooazder iku k’op k’op’o kiitso geyife. Ak marats k’op’eyor daniruwots kishi giwo nibnder bos’ilituwokio k’ali. Taaw iku bk’opiyor haniye dashi kitsetso k’on bwotal sheenga.



Dabdert tewer 1.1tse beyiru aatotsi daniruwots bokisho bish bodek;ish iimek bwottotse bodabtarats anani bofinituwok’o k’ali.

Ani terwer 1.2 tse iimets aatotsi daniruwots bofinituwok’o k’ala, thepar, gita daniyosh shn shno kashal keewotsi k’alde daniya.

Ariya git cokiyotsi, git mas’afotsi, git kor kilotsi git k’ok’rwotsi kitst Abakesiyono kitsr daniruwotsish gitaerr taawiya.

Ak’ marats git keewotsi detsts koyitots aro k’o’or hanots gitno er anani keewoa.

Haniye okon iku nodanitsok’on gita bk’op’eyor “ 2 ” hani biar err kiitsi. Andoru gita hani er ak’narats anani ko’ode kiitsi. Manor daniruwots kishi giwono bos’letuwok’o k’ali. Taaw gitaton arit keewots bogalotse bo beyal gita k’o’or ebi bi’ar er aati.

Dabrdaniru wots mas’afatse terwer 1.3 tsi beyiru Herwerotsi bofinituwok’o k’ali. Terweratse binon bebeyo daniruwotsish danir gitu anani bok’op’etuwok’o k’ali. Keezona, Audonat utson daniyosh 1 nat 2 nodanits weero shoyide daniyo geyife. Danituwots terwerotsi bofinor anani, kiitsr bofinituwok’o k’ali. Terwer 1.7 daniru wots bofinor muk’a, boganat tala etiru c’irotsn fino geyiratse. K’a’otsi bonkoriyor c’iranotsi ariyots dagots eko daniruwotsi bjakunsituwotse geyoratse.

Fin 1.2 1tse 5 bodfetso beyiru taawotsi koyiyotsnton jagiya.

Daniruwoṣṣh 1tse tur Daniruwoṣṣh flashi kardiys lime. 5 bodfetso beyiru taawotsi detsts flesh kardiyo botoak tookosh uts utso bbodotuwok'o k'alder iim. Haniye okon makna arotsi akmarats Fina. Daniru wotsi tizder boflesh kardiyoṣṣitse fac'der bokitstuwok'o k'ali. Hank'on k'oṣh koyiyots aro kitsr aniani bofinituwok'o k'alo geyife.

Hanatsē dabder daniruwoṣṣ mas'afatse beyiru terwer 1.7 anani bofinituwok'o k'alo geyife.

Fin 1.3. Taawotsi nokoriya

Haniye shn daniruwoṣṣ k'ac'ots ayo siilde bonokorife btesh. K'ac' koyiyanotsno taawotsn k'op'ondanno. And daniruwoṣṣ bodanetuwok'o geyits keewo bldeyal aron bonok'orif boteshtsotsi taawon nokoriyo bofalisha. Haniye shni bonkoritsok'on andor shn shano bonokrit kac'I koyoyotsi awon be'eyiru keewotsi dalde ofoṣh falifuwe Hana wokin taawotsn shaatar muk' c'iro finar k'o'or kiitsa.

Daniruwoṣṣ mas'afatse beyiru terwer 1.9 daniruwoṣṣ anani bofinituwok'o woshi.

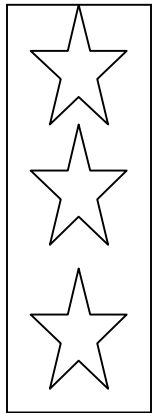
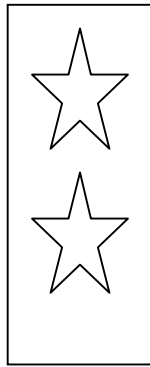
K'ac'otsi wokin k'ac' arots ayo nonokoriyot daniruwoṣṣ haniye dash aatotsi aato geyife.

- Ik k koyiyotsitse ambts k'ac'ots fano?
- Koyiyi awne muk k'ac'o detstso?

- Koyiyi awne bog k'ac'otsi detstso?
- Ik koyiyo k'osh koyiyotsitse ambts k'ac'ots neya bbog?

Hanotsi nokitsor k'ac'otsi wokin arotsi s'and s'and oshder orituwotsi ambts bowoto daniruwots kari bodanetuwok'o k'alo geyife.

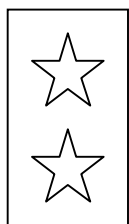
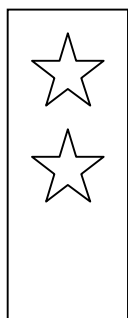
Haniye okon k'ac'i koyiyotsi shaatit taawo daniruwotsi aatr muk' c'iro daniyo geyife.



$2 < 3$ nababeyor 2 muk'a
3tse ernihan “ $<$ ” muka
C'iraerr danirutssh
Keewo geyife.

Hanats dabder daniruwots mas'afatse beyiru terwer 1.10 daniruwots bofinituwok'o k'alo geyife. Terweran fefineftseye shinon ariyotsi daniru wotsish sheengshder daniyo geyife.

“ Boga ” etiru han daniruwotssh nodaniyor muk'a etiruwo nodaniyor k'ac'otsi wokin arotsi nokoriyat no'aatts aatotsi hanitse dabde aato geyife. Andor bogo daniruwotssh kitso sheenga. Manatse arotsi taawotsn shaatar bog c'iro daniyo geyife.



$3 > 2$ nababeyor 3 boga
2tse erni han “ $>$ ” bog

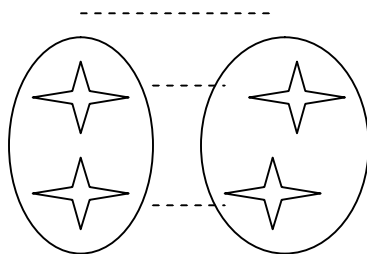
C'ira err daniruwootssh

keewo geyife.



Dabde Muk' c'ronat bog d'iron daniruwoots sheeng shde galder bodanetuwo' o bogalotse beyiru keewotston jagide kiitso geyire. Ariyash daniruwoots mas'afatse beyiru kish arotsi daniruwootssh kiitsr anani bofinituowk; o k'ali. Dabder ariyotsi daniruwootssh ananm kiitsr trwerotsi 1.11tse beyiru aatotsi bofinituwo' o k'ali. Andani hanatse daniru wots nababo bofaltsols' o dano geyife.

“ Tala” etiru han daniyosh shn tal wotts k'ac'I koyiyots geyifno. Haniye okon k'ac' koyiyanotsi taawotson shaatar tala eteyruwo daniyo falefe.



$$2 = 2$$

Nababeyory 2 tala 2 ton “ err daniruwootssh keewo geyife. Han “ = ” tal c'ira.

T'intis k'ac'I arotsi daniruwoots bosh'andor ortt keewo b'alo dono geyife, Ani daniruwoots mas'afatse beyiru terwer 1.12 bofiniturwo' o k'alo geyife. Ter weranotsi bofinit ariyotsi daniruwootssh anani fine okona.

Ani terwer 1.13 tse beyiru aatostsi daniruwots anani bofinituwok'o k'ali. T'inti ariyotsno sheengshde daniy.

Fin – 1.4. 1tse tur 5 bodfetso beyiru taawots shine shutsa.

Danituwots taawotsi danr nokoriyo bofaliyal taawots shine shutso daniyosh haniye dashi malon daniyo falefe.

1tse tur 5 bodfetso beyiru taawotsi detsts flesh kardiyotsi dewar t'erep'ezats bad'ide bezr daniruwots tur shine shutson dazder botaawoituwok'o k'ala. Bofiniruwoan 1tse tur 5 bodfetso ani 5tse tur 1ts bodfetso anani bodositu wok'o k'ala. Manatse 1, 2, 3, 4, 5 taawots shine shutso mukatse tut eenok bodfetsonat ani 5, 4, 3, 2, 1 hanmo eenatse tut mukfetso beyiru taawots shine shutso bwoto danito geyife.

Ak marats taawots shine shutso k'o'ode bodagotse k'ats taawots beyok bashats beshiya.

Ariya 1,____, 3,____, 5 Manatse daniruwots beyoki b'ashats kiidit taawotsi bok'opetuwok'o k'ala. Finan 5tse tur 1 bodfetso babde k'op'a.

Ariya 5,____, 3____, 1

Daniruwots mas'afatse beyiru terwer 1.13 ariyotsi Finetsokon bofinituwok'o k'aladaniruwots terwer dabtaru s'ilo geyife. Daniruwots terwerotsi bofineftse shinon aritotsi damruwotshs sheengshde daniyo geyife.

Taatsonat k'oorona

- 1tse tur 5 bodfetso beyiru taawotsi bonabituwok'o k'ala
- Danirwots 1tse tur 5 bodfetso beyiru taawotsi bok'op'etuwok'o aatr bodataratsi bok'op' kopo siila.
- “ < ” , “ > ”, nat “ = ” c'iranotsi k'aron aatr bok'osh koshiyo bodano dana.
- 1tse tur 5 bodfetso beyiru taawef taawotsi botaawituwok'o aata, 5tse tur 1 bodfetso beyiru taawotsi anani botaawituwok'o aatr bodantsok'o dano geyife.

1.2. 6tse tur 10 bodfetso beyiru taawef taawotsi nokoriyonat shine shutson beeza.

Dan hansh iimets s'ayito 15.

Dan k'os'wotsi daniruwots dan haniye okon

- 6tse tur 10 bodfetso beyiru taawef taawotsi nabonat k'op'on falituno.
- “ < ” , “ > ” nat “ = ” c'iranotsi galder danetuno danetuno.
- 1tse tur 10 bodfetso beyiru taawef taawotsi nokoriyonat shine shutson beezo faliturno.

Daniya aayiy k'ac'otsi daniruwots dan haniye okon

- Abakesiyo, 6tse tur 10 bodfetso beyiru taawef taawotsi detsts flesh kardiyotsi, keewotsi wokin k'ac'otsi koyiya:

Dano daniyor dani t'in t'ina

Fin 1.5. 6tse tur 10 bodfetso beyiru taawef taawotsi

daniya.

Daniruwots Fin hanits haniye shn 1tse tur 5 bodtetso beyiruwotsi bofintsok'on Fino geyife. Shinshino 6tse tur 10 bodfetso detsts k'ac'I koyiyotsi daniruwotssh be'etu beyokats beezr bo'ayo nokorito bofalituwok'o k'ala k'oshk'osh k'ac' koyiyotsi detsts koyiyotsi dewar iknar ayo bo'ayon ik wottsotsi ikats koyiyak manatse akmarats bo'aro ko'or daniruwotssh shrt bowotal shrta, shawat bowotal shawata err abakesitats finefets taawotsi bodanetuwok'o k'ala.

Haniye okon daniruwotssh shrtu k'op'eyor " 6 " hani err daniyo falefe. Daniruwots shrtu danbok'r okon shrtu k'op'o dano geyife. Hank'on shttu daniruwotssh nkitsor daniruwots nkish giw giwo sheengshde bofiletuwok'o kalder ak marats dambide k'o'or bodanetuwok'o kalder ak marats dambide k'o'or bodanetuwok'o k'ala.

Ani terwer 1.14tse t'intst aatotsi bofinituwok'o k'alr shrtu k'op'o bofalituwok'o k'ala'

Jamon shrtu nodanits weeron 7, 8, 9 nat 10 kiitsr han shirotse beyiru terwerotsi finir daniruwots taaw dano eensha. Daniruwots taawots c'iro galde bodanetuwok'o daniyo geyife. 6tse tur 10 bodfetso beyiru taawef taawotsi Flesh kardiyats k'o'ode damiruwotssh iima. Maniye okon 10 dash k'ac' koyiyotsi detsts

ak' marats finde kiitsr koyiyanitsi k'ac'I ayotsi kiitsit taawo daniruwootsn aatr flesh kardiyatsi bokiitsituwok'o k'ala.

Fin 1.6 Taawotsi Nokoriya

Haniye shn 1tse tur 5 bodfetso beyiru taawotsi nonokorits weeron 6tse tur 10 bodfetso beyiru taawef taawotsi nokoriyo faletuwe. Aniyay k'ok'ruwotsi daniruwootsshiimr shrt shtt k'ok'rwotsi detsts git gareo bofinituwok'o k'ala. Manatse gare lkikatse ik k'okro dabr haniye dash aatotsi aata.

- Aaw garewokonebogo ?
- Ambtsone bbog ?
- Ambtsone bmuk' ? artsotsi.....

Hanats dabder jandotsi beyoki baashotsi beshat maatsets taawots datsetuno. Orts taawotsi beyoki baashotsats s'entsr daniruwoots taawots shine shutso bodanetuwok'o k'alo faletuwe.

Ariya

4		6		8
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Daniruwoots mas'afatse beyiru terwer 1.12 daniruwoots bofinituwok'o k'ala.

Jamon 1tse tur 10 bodfetso beyiru taawef taawotsi shine shutso daniruwootssh sheengshde danir daniruwoots Muk'ats tur eenomandan ani eenatse tur muk'o mandan k'o'or bonabituwok'o tiizo geyife.

Fin 1.7 Taawots shinonat shutsona

Tats daniruwoṣi kiṣṣe jindon bezedo dahiruwotṣṣṣ botoke tokon ſhinatṣoṣṣ 1, giṣṣṣoṣṣ 2, keeṣṣṣoṣṣ 3,..... effero taawoṣi k'op'etṣ kardiyorṣi iima. Manatṣe haniye daṣṣi aatotṣi aata.

- ſhinatṣi ſhutṣatṣe beyiruwo kone?
- Taaw ambtune bdeṣṣ?
- ſhawatṣi ſhutṣatṣe beyiru na'o taawo ambtṣe bdeṣṣ?

Err hank'o aatotṣi aatr taawoṣṣ ſhine ſhutṣo bodanetuwoṣ'o k'ala. ſhn ſhine ſhutṣa etefoṣi daniyo geyife. Ik iimets taaw ikatṣe taaw ikun bbogala ſhutṣa etefo, ani taaw iku k'aweyala ſhina etefo.

Ariya 403V ſhutṣa (audo keezu ſhutṣa).

203u ſhina (gita keezu ſhina).

Daniruwoṣṣ maṣ'afotṣe beyiru terwer 1.23 dabde bofinituowk'o k'ali. Ariyorṣi anani finowe.

Taatṣonāt k'orona

- 10 bodtetṣo beyiru taawef taawoṣi bok'op'etuwoṣ'o mafino iima.
- Daniruwoṣṣ 10 bodfetṣo beyirus'en taawoṣi iimr mukatṣ tur eenomand, eenatṣe tur muk'o mand bobezituwoṣ' aata.

Ariya 3,5,8,7 mukatṣe tur eenomand bobezituwoṣ'o aata.

- 1tṣe tur 10 bodfetṣo beyiru taawef taawoṣṣ ſhine ſhutṣo bo'anituwoṣ'o aati.

Ariya 6tu shutso k'one ?

8 shino k'one ?

Finaniye okon haniye dambon iimets taatsonat k'oron malon daniru wotssh fado iimo sheenga.

K'OT'OK GITA

1tse tur 10 bodfetso beyiru taawef taawtsi dabonat k'a'ona

K'ot'okansh iimets sayito 32.

K'ot'an jam k'os' wotsi

- 1tse tur 10 bodtetso beyur taawef taawotsi dabonat k'a'on falituno.
- Dabonat k'a'on go kiyo danetuno.
- Zeroyi danetuno.
- Zeroyi etets taawu 1tse tur 10 bodfetso beyiru taawef taawotsn dabonat k'a'on falituno.
- Wonawoniyon fino falituno.
- Bodabetuwots 10 niye bowawotsi keez taawef taawots dabetwo kisho falituno.

Daniruwo Ayiyaruwoni

Dabo nofinor dabetuwots beyoki wonawoniyo dabetsats egor woniyo doratse.

Ariya $2 + 3 = 5 + 3 + 2$ $3 + 2 = 5$ han amalo dabi

wonawoniya amala etefo.

K'a'o nofinor btooko ba'ats k'aweruwoniye muk'yo geyiratse. Btooko bi'atse k'awetuwoniye bbogal k'a'o fino faletuwe. B'tooko bi'ats k'awetuwo niye bmukyal bi'aniyo zeeroniye dash bwottotse daniruwotssh aniyo deshatse eto falituwo. Ege eteyal haniye dash beyiru taawots daniruwotssh bofaloniye damb bwottosha.

Ariya $5 - 4 = 1$

$3 - 6 = -3$ bwototse daniruwotssh aniyo deshatse er aniyo geyife.

Dabonat k'a'on tantsi ayide galde si'ilo geyiratse. Bwottsoni iko ikoshwoni tan bwototsna.

Ariya $6 + 4 = 10$

Dabi tali s'en mats keewanitse git k'a'w tali s'en mats keewotsi kiisho faletuwe.

Bowere $10 - 4 = 6$ nat $10 - 6 = 4$ etiruwon;

Daba wokin k'a'okew s'ap'o daniruwotsits ekosh koyiyotsi dek'o geyife. Bwotefer ko'eye damyo wotowakoe jam keewo daniyo geyiratse.

Ariya Eeha, bitsts artsotsi daniyo geyiratse. Ekeyor, ikats bowotor, dabeyor etiruap'wotsi dek'o geyituwe.

2.1. 1tse tur 10 bodfetso beyiru taawef taawotsi daba.

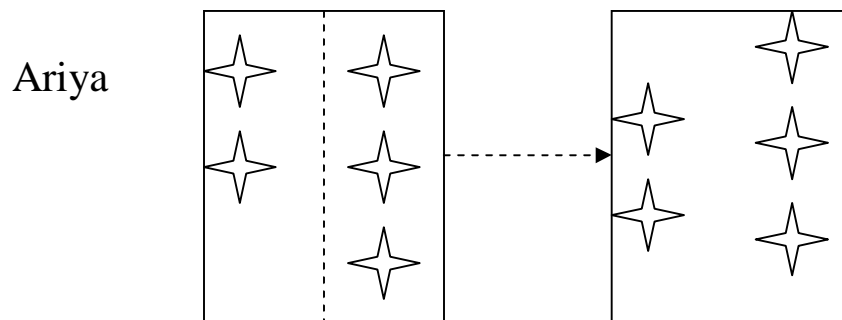
Hansh iimets sayito 10

- Danis'gi k'os'wotsi
Dan haniye okon daniru wot
- daba eto eg bwoto danetuno
- atse tur 10 bodfetso beyiru taawef taawotsi dabo falituno.
Daniyi ayiyi kac'otsi
- Abakesiyona, "t" d'iran detsts flesh kardiyona, k'ac'wotsi detsts koyiyona.

2.1.1. Daba Daniyor dani t'ini t'ina.

Fin 2.1 k'ac'otsi eeka

K'ac'ots koyiy arotsi eekon dabo kew s'ap'o daniruwotssh daniyo faletuwe. Dan hanits koyiyotsi bod'iya bjamon etiruwo dek'o fareratse.



Ariyanatse git k'eenwots keez k'een wotsatse s'oron galiyat bobeyir. S'orman uts k'eenwotsnikn nodatsiti err ezo geife. K'ac' koyiyanots aran taawotsn shaatar daniyo geyife. Ariyash haniye damb repetition arotsi taawotsn noshaator $2 + 3 = 5$ eto faletuwe.

Ani git beyokatse daniruwotssh bbe'etuwok'o k'alde k'ac'otsi beeziik-ik . Beyokatse beyiru k'ac'ots ayo ambts bwoto aati. Beyok gitatse beyiru k'ac'otsi eekr eekets k'ac'ots ayo amobts bwoto daniruwotsi aati.

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Daniryuwotsi tizr haniye dambiaatts aatots naro anani bofinituwok'o k'ali. Manor haniye dash beyiru aatotsi aato geyife.

1/ Ikik beyokatse ambts rsasiyots fano?

2/ Eeku were.

3/ Boeke okon bo'ayo ambtse?

Etiru aatotsi aato geyife.

Arinbakesiyon fino geyife.

Muk'na softiyotsi giromandan gerr giromande beyiru softiyots ayo aata k'anomand beyiru diyamr giromande beyiruwatse dabr ddabtsonat Jaamo ambts bwoto daniruwotsi aata.

Ariya $2 + 3 = \underline{\hspace{2cm}}$

Giromand git softiyotsi bobetuwok'o k'ali.

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K'ano mande beyiru keez softiyotsi diyamr gironand teshts softiyotsnton eeki. Giromand beyiru softiyots ayo aati.

Tani makinon dab kewish'ap'o daniruwotssh daniyo dabotitser. Tani makinan kartoniton wokin konnor datset k'ac'on

Finar aydatsts dabetuwotsi taawotsi gerr bshitolse kishiruwo ayo taawr danito faletuwe.

Fin 2.2 Taawon shatta .

Hanfetso k'ac'otsnat k'oshk'osh dani ayiyi k'ac'otsn daniruwootssh dabo kiitsro. Haniye okon k'ac'otsi taawon shattar bofinituwok'o k'alo geyife.

Page 18

$$2 + 3 = 5$$

Han nari weeron daniruwoots anani bofinituwok'o k'ala nofulstop $2 + 3 = 5$ han dabi tali s'en mats keewo bwoto, 2 nat 3 dabetuwotsi, 5 dabek bwoto daniya. Han “ t” dabic'irobwoto keewi. Anidaniruwoots mas'afatse repetition terwer 2.1 beyiruaatotsi bofinituwok'o k'ali. Bofino shoyar bodaroko tepo geyife.

Fin 2.3. Dabi wonawoni malo daniya.

Fin 1tse k'ac'otsi eekon dabi tano daniruwootssh daniyiro. Fin 1tse nofints nare hanatsno dabdefino geyife. Daniru wots bobek'etuwook'o k'alde git beyok k'ac'otsi beezi. Unnecessary repeterion Eekr ani bo'ayo aati. Eekets k'ac'otsi bobeyokok anir bo'ayo oati. Haniye okon git beyok beyiru k'ac'otsi bobevoko wonawonir eekr daniruwoots bo'ayo boke wituwook'o aata.

Page 19

$$3 + 2 = 5$$

$$2 + 3 = 5$$

Han nari ariyotsi danituwotsi tizy bfinir daniruwots eg bodantsok'o aato geyife. Daniruwots danatse tur dabi tanatse dabetuwots beyoki wonawoniyo dabetsat bdowet woniyo bi'alo keewa. Manatse taawotsn shaatar fina. Daniru wotssh han dabi wonawoniya amala err keewo geyiratse. Dniruwots mas'afatse beyiru terwer 2.2. bofinituwok'o k'alr k'oro geyifee.

Ani Abakesiyonat tani mekinon tano dabetuwots beyoko wonawoniyo dabetsats woniyo bdorawuk'o kitsa. Daniruwots mas'afatse beyiru terwer 2.3 nat 2.4 bofinituwok'o k'ala. Ariyotsno anani daniruwotssh finar kitso geyife.

2.2. 1tse tur 10 bodfetso beyiru taawef taawotsi k'awa
Dan hansh ii,ets saito 15

Daniy s'eg k'os'otsi

- k'awa kewi s'ap'o danetuno
- 1tse tur 10 bodfetso beyiru taawef taawotsi k'awo falituno.
- Zeroyi dabonat k'awonits gedo falituno.
- Dabonat k'awonitse wonawoniyon k'alo falituno.

Dani ayiyi k'ac'otsi

Abakesiyona, flesh kardiona, k'ac'ots detst koyiyona, Daniye danotse danit'int'ina.

Daniyor dani t'in t'ina

Fin 2.4 k'awo daniya

Ikok beyiru k'ac'otsi daniruwotssh kitsi. Koyotsite mukna k'ac'otsi k'awefets aatanotsi daniruwotsi aati.

- Shne shisho beyiru k'ac'ots ambtsno ?
- Biyatse k'awetse k'ac'o ambtse ?
- Orts k'ac'I taawo ambtse ?

Han nari atanotsi kash k'osh ay k'ac' detsts koyiyotsn finar aati.

Page 20

Daniryuwotssh sheengshde be'etu beyokats muk'na korkiliyotsi beezi daniruwotsi tizr biyatse mukna wotsi bok'awituwok'o keewi. Han eto 3 k'awo bogeyal 3 k'awor 2 k'awo gogeyal 2 k'awor err keewi. Maniye okon orts kor kiliyots ayo botaawituwoko k'ali.

Abakesiyon Finar katsde'e bodanetuwok'o k'ali. Abakesiyi mukk ok'rwotsi gironand k'alr ambts k'ok'rwots gironamde fo'oko aati. Giromande beyiru k'ol'rwotsi k'anomand diyamr k'anomand bodamts k'okrwots ambts bowoto aati.

Ani giromande orts k'ok'rwots ayo ambts bwoto daniruwotsi aati.

Ariya $5 - 2 = \underline{\hspace{2cm}}$

Page 21

Daniyuwots han bod bobek'tso taawotsn shaatar bofinituwoko k'alo doyituwe.

Page 21

$$5 - 2 = 3$$

Ak marats arotsi kitsr daniruwots han shawoude'e bgalituwoko k'alo sheenga. $5 - 2 = 3$ k'awitall s'en mats keewo bwoto daniruwotssh keewi - 5 toka (eenoni) 2 k'awetsoni 3 bok'osh k'oshiyoni. Err, repetition keewi. Mantase daniruwots mas'atotsse terweristso bofinituwok'o kali.

Terwer 26 jat terwer 2.7 wotse beyiru ariyotsi anani daniruwotssh finar niyatit aato bofinituwok'o k'alr k'ori. El bodartsote'u dozo geyife.

Fin 2.5 k'awonat dabon gokeya

K'atanitse daniruwotssh k'awonat dabon gokiyo daniyo geyife. Git koyiyotsi k'anir ik-ikon bo'ayo aati. Maniye okon koyiyotsi eekue. Eeketsots koyiyetso k'ac'ots ayo daniru wotsi aati. Eeketsgit koyiyotsitse ik koyiyi k'ac'ayok'o k'awa. Nk'awtso ambts bwoto daniruwotsi aati. Ortso ambts bwoto daniruwotsi aati.

Page 22

$$5 - 2 = 3$$

$$5 - 3 = 2$$

K'ac'otsi git beyok beezr daniruwots tur ikikots ayo bokeewituwok'o aata. Maniye okon daniruwots k'ac'otsi be'eekituwok'o k'alr eeketsots ambts bowoto aata.

Daniruwots bo'eek rafatse shn shinon teshts koyiyotsitse ik koyiyik'ac'o wotituwo eeketsotsats bok'awituwok'o k'ali. Ortso aati. Han narifino daniruwotsi tizr bofinituwok'o k'ali.

Manatse abakesiyon danirwotssh dabonat k'awon dagotse beyiru gonkiyoy bodane tuwok'o k'ali. Hanotsi k'oshk'osh dani ayiy k'ac'on tse daniruwots bobek'tso taawon shaatar bofinituwok'o k'ala. Akmarats k'osh k'osh faawotsi de'er dabonat k'awon gokiyo daniya.

$$\text{Ariya} \quad 5 + 3 = 8$$

$$8 - 3 = 5$$

$$8 - 5 = 3$$

Hank'o ariyotsi ayide bofinituwok'o k'alr ani daniruwots mas'afatse dantok han shirotse k'ats beyiru ter werotsi bofinituwok'o k'ali.

Fin 2.6 zeroyi daniya

K'ok'rotsi daniruwots bobek'et beyokats beezi. Beyiru k'okrwotsitse iko k'awano. Ambts k'ok'rwots b'oro daminwotsi aati. Ani orts shok'rwitsutse iko k'a'ono. Ambts shenwots bo'oto aati. Han k'o weeron ikikonk'a'on baasho bwotefe tso nofino fina.

Page 24

$$3 - 1 = 2$$

$$2 - 1 = 1$$

$$1 - 1 = ?$$

E/ kuntotsi ikn k'awude'e daniruwotssh zeeroyi daniyo faletuwe.

Bashon ortso kitst daniruwotssh zeeroyi daniyo geyife. Haniye dambe bobek'ts noari ariyots daniruwots tuzr bofinituwok'o k'alo geyife. Flesh kardiyotsnat ak'marats zero aro kitsa. K'ok'ronat k'oshk'osh bogalotse beyiru k'ac'otsn fino falefe.

Zeeroyi nodaniyor nobeshts dashedambvwotsi daniruwots bot'iwitsitu wok'o k'ali. Manor zero taaw aw shinats bwok'o bodanetuwok'o k'ali.

Ariya 5, 4, 3, 2, 1, 0

Hank'on daniru wots taawots shine shutso bodanetuwok'o k'alo faletuwe, zeeroyi k'oshk'osh taawotsats babr wokin k'osh k'osh taawotsatse k'awar, daniruwots taawotsatse zeeroyi daboy nate taawotsat zeeroyi k'awon daniyo geyife. Manatse deshnde'e ik taawatse taaw iko k'awar bi,aniyo zeeroniye dash bwotituwok'o k'alr daniru wots aniyo deshatse er bo'anituwokio k'alo sheenga.

Ani daniruwots bomas'afotse beyiru terwer 29 nat 2.10 bofinituwok'o k'alr k'oro faletuwe ferweranotsi bogeyiruwotse ariyotsi anahi danirclwotssh fina.

2.3 keez dabetuwotsi daba

Dan hansh iimts sayito 7

Dan han k'os'otsi.

Dan haniye okon daniruwots

- bodabetuwo 10 niye bowawotsi keez dabetuwotsi dabitano.

Dano daniyror dani t'int'ina

Fin 2.7 k'oyiyotsi eeka.

Keez koyiyotsi k'anir ikikitsi beyiru ayo aata keez koyiyanotsitse git baro eekr bo'ato aata. Ani keezlo dabr bo'ayo aata,

Page 25

$$2 + 1 = 3$$

K'ac'otsi k'osh k'osh beyo kats beezr daniru wots ikikon tur bo'eekituwok'o k'ali. Finanitse haniye dambi kitfetsok'on ukiedamb dashatse daniruwots bsayo bokeewituwok'o k'ala.

Ani abakesiyon git dabetu A word wotssh nofintsk'o keez badetuwo fina. Muk' abakesiyi k'ok'rwotsi giromandi weeron grr beyiro daniruwots bokeewituwok'o k'ala.

K'ano made beyiru sk'ok'rwotsits ani mukinaotsi giro mand daama. Daamets k'ok'r wots ayonat giri weeron teshts ayo daniruwotsi aati. Ani kanomand giromand k'ok'rwiyei diamr dametsi ayo dkats ambts bowoto doniruwotsi aata k'osh k'osh daniruwots dani ayiyi k'ac'ok'on ndaniruwotsi finiya.

Fin – 2.8 keez dabetuwotsi detsts taawotsi taana

K'osh k'osh dani ayiyi k'ac'otstn danir wots koyiyotsi eekonats keez dabetuwotsi detstsotsi taawon dabo bofalitualok'o

damyere. Han taawon shaatar bofinituwok'o k'alr danir wots bogshde keez dabetuwotsi detsts tanotsi bofinituk'o k'ala.

Page 26

$$2 + 1 + 3 = 6$$

Hank'o ariyotsn daniruwoysi tizde'e finiya. Ani Akmarats k'osh k'osh arotsi arir daniruwoysi taawon boshaatituwik'o kalr daniruwoysi bogshde dano bodetsetuwok'o k'ala. Dabse'e daniruwoysi bodanimas'afatse beyiru terwer 2.14, terwer 2.15 nate terwer 2.16 bofinituwok'o k'alr k'ora. Boshelawok'o ayiy iimo geyife.

Ariya $2 + 0 + 7 = \underline{\hspace{2cm}}$

Shn shino 2 nat 0 daba. Manatse nodatsts dabekats keezli dabetuwo dabr fino faletuwe.

$$2 + 7 = 9$$

K'osho Bin nofinit weero

$$2 + 0 + 7 = 9$$

Shn shion 0 nat 7 daba manatse nodatsts dabetsats 2 nodabit.

$$2 + 9 = 11$$

Hanatse bodanetwo un shine shutson babo bofaituwok'oni.

Ariya $3 + 4 + \square = 10$

Shn shino daniruwots 3 nat 4 bodabituwok'o k'ali' (3 + 4 = 7)
Manatse zeeratse tur taawotsi shaatefets beyiruwoik'kon 7 nton
dabon 10 iimetwotsi bobeyituwok'o k'ali.

$$7 + 1 = 0$$

$$7 + 2 = 9$$

$$7 + 3 = 10$$

□ hanits kindituwo 3.

- AF' atwotsi s'ntsfets 5 bodfetso beyiru taawef taawotsi bonokoriyitu wok'o k'ala.
- Bodabeyo 5 bowaw dabetuwotsi k'at'ifinonat maa finon iimr daniruwotsi k'ora.
- Bodabeyo 10 bowaw dabeyuwotsi k'at'I finonat maa finon iimr daniruwotsi k'ora.

Ariya 3tse ego nodaboreya 10 nodatsi ?

2tse ego nodaboreya 7 nodatsi ?

- Maa Finonat k'at'I Finonk'on zeeryi taawotston dabonat k'awon finar bodabo bodatsitu wok'o aata.

Ariya $5 + 0 = \underline{\hspace{2cm}}$

$5 + 0 = \underline{\hspace{2cm}}$

Hanats dabder mas'afatse beyiru terwerotsi aatr daniruwotsi k'oro geyife.

K'OT'OK KEEZA

Otse tur 20 bodfetso beyiru s'en taawotsi

Dan hansh iimets sayito 10

K'ot'an Jam k'os'wotsi

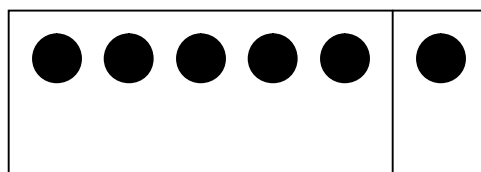
- 11tse tur 20 bodfetso beyiru s'en taawotsi c'iro danetuno.
- 11tse tur 20 bodfetso beyiru s'en taawotsi k'op'onat nababon falituno.
- Taawots 5shine shutso galde dano dabituno.
- “ < ”, “ > ” nat “ = ” c'iranotsn 20 bodfetso beyiru s'en taawotsi nokorito falituno.
- Otse tur 20 bodfetso beyiru s'en repetetish taawots shine shutso danetuo.
- 0 tse tur 20 bodfetso beyiru s'en taawotsi taaw tos'ats k'op'o terwer it uno.
- Dabonat k'awon falituno.

Daniyruwo ayiyruwoni

S'en taawanots kew s'ap'o shn shino kitse k'ot' gitutsna. K'ot'okanitse kitsetuwo k'ot'ok gitotse beyiru s'en taawotsi iwishonat 20 bodfetso beyiru taawotsats beetsa.

K'ot'kanitse 11 niye damb beyiru s'en taawotsi daniyosh haniye shn bodants taawotsats k'osh taawotsi dabona. Han shn shine dashe dambon k'ac' koyiytsnat taawotston deshider fino gejtuwe.

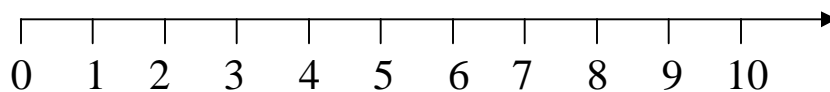
Ariya





$$10 + 1 = 11$$

K'ot'ok hanitse taaw 1 toos'o eg bwotso daniya. Yaaw toos'o taaw jidatse k'osh bwoto taaw jindo git weeron amo bfalor, taaw toos'onmo ik weer baron amo bfaliti er keewi. K'ot'okanitse be'etuwo k'ani weeron ametuwo wokin gawnet taawi toos'o bwoto daniy. Taawan tuwoki net'biyo zero wotat tal oko detsts net' biyots taawonfon deshede'e bodatset jind bwoto daniya. Han otse tur 10 bodfetso beyiru taawotsi bkitsitawok'o k'ala.



Ik k'ac' koyiyotsi mu'k'ac'I koyiyots mand kayir ik taawo git dabetuwotso bok'op'e tuwok'o k'ala. Han bfiniit haniye dashi s'enmatsi keewots naaron bwoto keewoi.

$$\text{Ariya} \quad 13 = 10 + 3$$

$$19 = 10 + 9$$

Otse tur 20 bodfetso beyiru s'en taawotsi

Dan hansh iimets sayito 10

Dani ayiyi k'a'otsi

Abakesiya, k'okra Otse tur 10 bodfetso beyiru s'en taawotsi detsts flesh kardiya.

Dano daniyor dani t'in t'ina

Fin 3.1. Iwisha

Andr dan hanits nokindftse shinon Otse tur 10 bodfetso beyiru s'en taawotsi iwisho geyife. Mamsh k'otok 1 nat 2 bodants danotse taawotsi nokoriyo, taawots shine shutsonat tawots shinonat shutson tawotsi daniruwotssh iwishon t'intsa.

Iwishotsi daniruwots mas'afotse beyiru ter wertsu Fina.

Ariya 1 “ < ”, “ > ” nat “ = ” c'iranotsn taawotsi nokoriya.

4 __ 3 beyoku bashanats kindituwo bogic'ita. Terweranotsn daniruwots taawotsi nokorito bo'iwishituwok'o falituwe.

Ariy - 2 Taawots shinonat shutson k'op'a (sat'inots kifsere).

Shina	Shutsa
1, 2	4, 5

Han naron daniruwots mas'afotse dantoki shiranitse beyiru terwerotsi daniruwots boiwishituwok'o bon bi'ayiyituwotse ariyatse tur bofintuwok'o k'ala.

Ariy - 3 shine shutson dozde bok'op'etuwok'o k'ala.

2, 1, 3, 4

1, 2, 3, 4 (mukatse tur eeno mand shine shutson bbeyorz.)

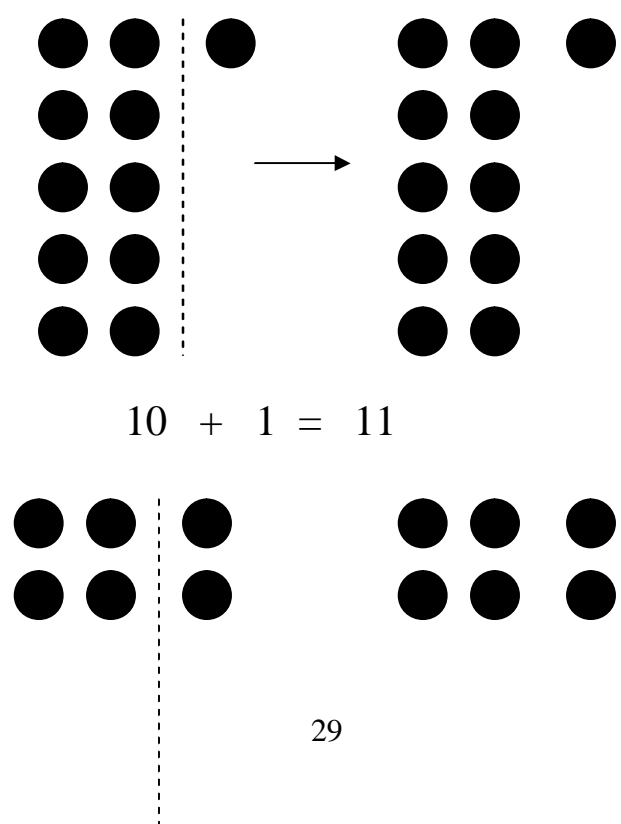
Daniruwots taawot shine shutso bodanetuwok'o bk'alitu wotse terwer jamotsi bofinituwok'o kala.

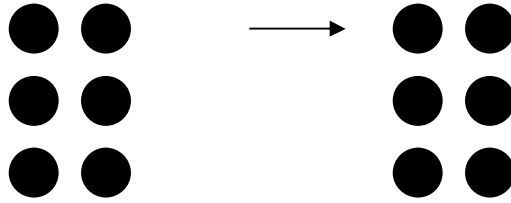
Finanitse taawo bi'ats k'opets flesh kardiyotsi bad'ir daniruwots muk'atse tur eenomand ani eenatse tur muk'o mand bomatsituwok'o k'alr sheengshde fawi shine shutso bodanetu wok'o k'alo geyife.

Fin 3.2 11tse tur 20 bodfetso beyiru s'en taawotsi daniya.

Taawotsi daniyosh shn shinodashe dambo Abakesitonat k'osh 10 niye dambo detsts k'ac'I koyiyotsi de'er daniru wotssh kitsa. K'ac' koyiyanotsi daniruwots haniye shn bodants taawotsnton jagiyosh geyife.

11tse tur 20 bodfetso beyiru taawotsi daniyosh bodants taawotsatse tur dabter daniya. Ariyosh ik 10 k'ac'otsi detsts koyiyo Finono. Manatse ik k'ac'I detsts koyiyo shn shints k'ac'I koyiyats eekr jamon ambts k'ac'ots bbeyo aton daniruwotsi daniya.





$$10 + 2 = 12$$

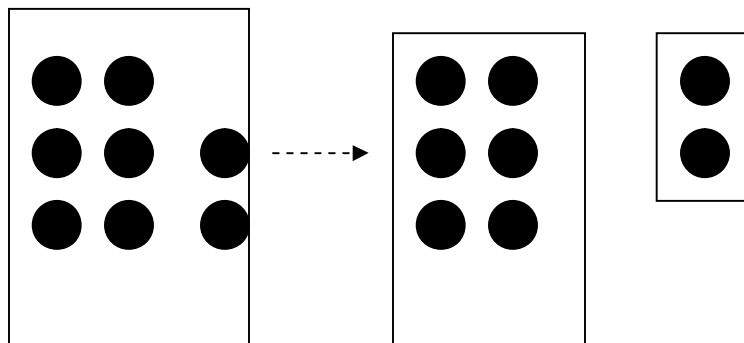
Han naron finefets taawotsi daniya 11tse tur 20 bodfetso beyiru taawoti daniyosh ik k'ac'I koyiyotsatse iko dabde ckelk taawo shinats iko dabiyyor k'osh taawo bdatsetuwk'o bot'iwitsituwok'o k'alo faletuwe.

Dabder daniruwots mas'afatse beyiru terwer 3.11 nat terwer 3.12 finar taawonat k'op'on bofalityuwok'o k'ali. Tererantsi daniruwots bofinituwok'o aritotsi sheeng shde daniya.

Fin 3.3. 10 damb beyiru taawotsi tatsonat tatsoniy muk' taawots dabetuwotsi k'opa.

10 boget k'ac'I koyiyotsi k'anir 10 k'ac'otsi kishr 10 dash c'ac'dwotsikshr 10 dasho bedatsal galde beezi. Han taawotsn shaatar daniruwots dabtali s'en mats keewo katsde'e dani. Han daniruwots sheengshde bodanish no coma daniruwots mas, afotse beyiru terwer 3.13, 3.14 nat 3,15 bofinituwok'o k'ala.

Ariya





$$12 = 10 + 2$$

Haniye damb kitsets taawotsi 10 nat 10 dashon wotts dabetuwotsn bok'op'etuwok'o kitsa. Manatse ayiyt terwerots daniruwots mas'afcotse beyiru ter wer 3.13 daniruwots bofinituwok'o k'ala. Han daniruwots taawotssh bedetsts dano eenshosh ayiytuwe.

$$\text{Ariya } 10 + A = 13, \quad A = 3$$

Aatanitse “ A ” k'awtso daniruwots bogeyor bok'alituwo 13, 10 nat 10 dush beyiru dubetuwotsi k'op'o geyife. Monr “A” k'awtso keton datsituno. Fin 2tse taawotsi daniruwotssh nodunits weeron iwisho geyife. Dabder daniruwots mas'afatse beyiru terwer 3.14 daniruwots bofinituwok'o k'ala.

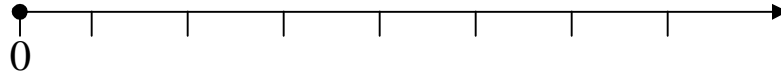
Fin – 3.4 Taaw Tos' daniya

Dan tok hanitse taaw tos'o daniyosh daniruwots orerobodanet weeron daniyo geyife. Daniweeranitse maa maac'ots shaawoar boshawts beyokats c'iro gerr c'irotsssh taawo imr keewi. Manor shaawots okiyo tal bwoto duniruwotssh kitsa manatse c'irotsssh n'iimts taawots shine shuts bowoto daniruwotssh daniya.

Jokon taaw tos'o daniya. Jok'o k'at'otse tordekonot 2 okiyo talider taawot shine shutson flesh kordiyotsi jodir daniruwotsh

bdenats iitetu flesh kardiyone aw tawobdetstso err aatr bofinituwok'o daniya.

Akmarats beyok ikatse tur jindo jindar k'aniweeri c'ushats jogic'iro beezi.



Tuwet net'biyats tur masmeriton indar bo'okeyo tal wotts net'biyotsi Fina. Ikik net'iboyotssh Otse tur net'biyotsi gala. Han Fineyar bs'utsokon be'eyiru aran taaw tos'o bwoto daniya.

Otse tur 10 bodfetso beyiru taawotsi net'ebt'abiyon akmoarats finar kitsa. Manatse batalitsi beyiru okeyo tal bwoto kitsa. Daniruwots mas'afotse beyiru terwer 3.16 nat 3.17 daniruwots bofinituwok'o k'ala.

Fin 3.5 11tse tur 20 bodfetso beyiru s'en taawotsn
fina.

Daniruwotssh 11 tse tur 20 bodfetso beyiru taawotsi biyats k'ooets flesh kardiyotsi iima. Manatse ik kardioy kishr ariyosh 14 k'op'ets k'ardiyo kishr taawoaniye boget taawotsi detsts k'arditotsi bokitsituwok'o daniruwotsi aata. Boitsi iko 15 kishonsh talituwe k'oshonmo 16 kishosh falituwe han naron taawotsi nokoriton daniya. Ani git k'ac'I koyiyotsi finar k'ac'2wots ayo botawitu wok'o k'alr aw awuye bbogetuwok'o wokin aw bmu kituwok'o aro finon daniya. Ik kardiyok'a war taawoan shion bokitsitu

wok'o aata. 1 kon bmuk'tsosha wokin ikon bbogtsosha etr bo'anituwok'o daniya. Han naron git karditotsi k'awoar taaw gitots dagotse beyiru taawo bodatsituwok'o k'ala.

Ariya 2 nat 4 dagotse beyiru taawo 3 bwoto bodanetuwok'o k'ala.

Dabde daniru wots mas'afotse beyiru terwero ts 3.18, 3.19 nat 3.20 daniru wots bofinitu wok'o k'ala. Hanweron daniru wots s'en taawots shine shutso sheengshde bodanetu wok'o k'alituwe.

Haniye okon k'ot'atseil beyiru ewishi aatuwotsi daniruwots bofinituwok'o k'alr daniruwotssh fado iimo geyife.

K'oronat taatsi malotsi

- 20 bodfetso beyiru taawotsi daniruwots boap'on bos'egetruwok'o k'alr k'ora.
- 20 bodfetso beyiru taawotsi daniruwots bodabtarat bok'op'etu wok'o k'alt bodabtaru s'ilr botaawi fet'fet'o k'ora.
- “ < ” , “ > ” nat “ = ” c'iranotsn taawotsi bonokorituwok'o k'alr k'ora.
- Muk'na taawotsi iimr taawots shinonat shutson bok'op'etuwok'o ata.

- Bo'ayo utsowokin shrto wotit 20 bodfetso beyiru s'en taawotsi iimr muk'atse tur eenomand, eenatse tur muk'o mand bok'op'etuwok'o k'alr bodabtaru sila.
- 10tse tur 20 bodfetso beyiru s'en taawotsi 10 nat 10 dash beyiru taawots dabetuwo bok'op'etuwok'o aata.
- Haniye damb iimetsotsi daniruwotssh fadon iimo k'oro geyife Ilmoe bofintsosh do 20 iimr daniru wotsi ayiyo geyife.

K'OT'OK AUDA

20 bodfetso beyiru s'en taawotsi dabonat k'awona

Dan hansh iimets saito 25

K'ot' han jam k'os'otsi

Daniruwots k'ot'ok han danbok'riye okon

- 20 bodfetso beyiru s'en tawotsi dabonat kawon falituno.
- Dabonat k'awon orera aatotsitse wonawonitots k'awutso daatso falituno.
- Taawotsi nokoriyr egosh bonokoritso k'o keewo falituno.
- Dabonat k'awin aatotsi finar bodatstso egosh han bwotok'o keewo falituno.

Daniy ruwo ayiyruwoni

Keez dabetuwotsi detsts dabetso k'ot'ok gitotse keeweyor shunets shine shuts weeron taawotsi dabo felletuwok'o s'ilro. Finan aw shine shutson dabo bfaletu wok'o k'lot'anise finats jinetuwe.

$$\begin{aligned}
\text{Ariya } (A + I) + E &= A + (I + E) \\
&= A + I + E \\
&= A + E + I \\
&= E + I + A
\end{aligned}$$

Hanats dub de haniye dashtson taawotsi ket weeron dubo faletuwe.

$$\text{Ariya } 17 = 14 + 3$$

$$14 = 10 + 4 \quad 14 \text{ shaato } 10 + 4 \text{ shegrsho}$$

faletuwe.

10 + 4 + 3 dabo bketit shn 4 nat 3 dabona. Bwottsoni 10 + (4+3) daniruwots hanor 4 nat 3 dabo bodantsotse 10 + 7 = 17 datsets babetso 10 ton dubo bofalituwo tsna

$$\text{Ariya } 17 - 3 = \underline{\hspace{2cm}}$$

17 shaato 10 + 7 shegrsho falefe 10 + 7 - 3 = 10 + 4 = 14 ik taawo git k'osh k'osh taawotsn dabetson k'op'o faletuwe.

$$\text{Ariya } 5 = 3 + 2$$

$$5 = 5 + 0$$

$$5 = 4 + 1$$

$$5 = 2 + 3$$

Ariyatse aud k'osh k'osh dabs tali s'en mats keewots datsetuno. Bwotefere 3 + 2, 4 + 1, 2 + 3 bshaatituwo iknari taawa. Biw 5. Taawotsi nonokoriyor een ttaw jamawo muk' taawonton ik k'osh s'en taaw dabr boadatsituwk'o daniya.

$$\text{Ariya } 8 = 5 + 3 \text{ hantsh } 8 > 5 \text{ wokin } 8 > 3$$

20 bodfetso beyiru taawotsn dabonat k'awona dabetsots nate aabekon boyitsieeno (tooko) 20 niye bogiyo geyiratse.)

Daniyi ayiyi k'ac'otsi
Abakesiyona, floesh kardiyonat taani mekinona.

Dano daniyor dani t'in tina.

Fin 4.1 Shuts aanar s'ila / iwisha/

Daniruwtssh k'ot'ok gititsi bodants dabonat k'awon tano,
wonawoniyonat dabonat k'awon gokiyo iwisho geyife.

Ariya $4 + = 7$

Hank'o err aatotsi finosh taawotsi zeeratse tur shaatar
daniruwtss bofinituwok'o k'ala. Ani daniruwtss mas'afotse
k'ot'ok audi shinshinatse beyiru aatotsi bofinituwok'o k'ala.

Fin 4.2. Taawotsi 10 nat 10 niye muk'ts taawots dabetso
k'alde k'op'a

Finan daniruwtssh daniyosh shin shino 10 niye boget
k'ac'otsi k'aniya, coma tats k'ac'otsi kawar bo'ali beeza. Ortsots
ambts bowoto daniruwtssh taawor kitsa.

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Ariya

Hank'o ariyotsi dabde k'anir daniruwtss galde bokishituwok'o
k'ala. K'ac'otsi taawon shatar daniruwtss bofinituwok'o k'alosh
k'osh k'osh 10 hite boget k'ac'ots aro akmarats finz. Manatse
arotsi gitosh kayifets bon shaatit taawotsi boshirots
bok'op'etuwok'o k'ala. Han naron taawon shaatiyo daniya.

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$$12 = 10 + 2$$

Fin 4.3 10 niye damb beyiru taawotsnat 10 nite dash beyiru taawotsi daba.

Fin 2tse bofints taawotsn tatsonat tatse dash wotts taawots dabetso k'op'ar daniruwoots haniye shn bodantsonat ket wotit taawots dabetso mand woniya.

Ariy . 1 $14 + 3 = \underline{\hspace{2cm}}$

$$14 = 10 + 4 \text{ bwottotse}$$

$$14 + 3 = 10 + 4 + 3$$

$$= 10 + 7$$

$$= 17$$

Ariy .2 $14 + 3 = 17$ bwot tsoni $4 + 3 = 7$ bwoto kitsa.

Daniru jamots bodani mas'afotse beyiru k'ari/ap'I terweri aatoun k'aron bo'anituwok'o. Hanite okon dauniruwoots cani mas'atotse beyiru terwer 4.1 daniruwoots bofinituwok' k'alr bodab taro s'ilo geyife. Bodartsoko dozo geyife.

Fin – 4.4 Wonawoneyiruwotsi daniya

Iimets taawi s'en matsi keewotse beyiki baashots (fideliyots) beyetuno,

Ariya $\quad + 3 = 7$ han bash s'en mats keewa.

Sat' hanitse taaw aw s'entsiyale s'enmatsan ar bwoti?

Hansh beyoki baashan taawon shaatar

$A + 3 = 7$ notal s'en mats keewan woneratse.

Hansh "A" han s'en mats keewotse wonetuwoni etetuwo.

Jamon sat'nok'o wokin fidelito taaw s'en mats keewotse bash k'aliruwots wonetuwotsi etekno.

Dabde'e wonawoneyiruwots eg bowoto bodanish daniruwots mas'afotse beyiru terwer 4:2, terwer 4.3, terwer 4.4 nat terwer 4.5 daniruwots bofinituwok'o k'ali.

Ariyi – 1

$$A + 4 = 7$$

$$0 + 4 = ?$$

$$2 + 4 = ?$$

$$3 + 4 = 7 \text{ A k'awtso } 3.$$

Ariyi – 2

$$A - 4 = 5$$

$$0 - 4 = ?$$

$$1 - 4 = ?$$

$$2 - 4 = ?$$

Ariyi 3

$$A - 5 = 3$$

$$3 - 5 = ?$$

$$9 - 5 = ?$$

$$5 - 5 = ?$$

$$6 - 5 = ?$$

$$7 - 5 = ?$$

$$8 - 5 = ?$$

"A" k'awtso 8.

$$9 - 4 = 5 \text{ "A" k'awtso } 9.$$

Han nari weeron daniruwots terwototsi bodebterats bofinituwok'o k'ala.

Hanton deshida taawotsi 10 nat 10 dash beyiru dabetsotsi k'op'a.

Ariya $13 + A = 15$

$$10 + 3 + A = 10 + 5$$

$$3 + A = 5$$

$$A = 2$$

Fin han daniruwots Finar kitsk'aza mank'oowo daniruwotssh nkitsor haniye shn bofin tdsoni teshts terweron woto geyife.

Ariyosh $13 + A = 15$ Han bwottsoni $u + 3 = 5$ arts ter werotsi gaawiyo geyife. Fin han “ A ” ambts bwoto daatso faletuwe.

K'awonor weer han fina.

$$\text{Ariya } 17 - A = 12$$

$$10 + 7 - A = 10 + 2$$

$$7 - A = 2$$

$$A = 5$$

Atan Fino bgeyit $17 - A = 12$ han bwottsoni $7 - A = 2$ bwottsosha etiru terweratse tuwona. Haniye okon daniruwots mas'afatse beyiru terwer 4.4 nat 4.5 anani bofinituwok'o k'alo geyife.

Fin 4.5 Dashosh ($<$) dabon han bewoto uma.

Ik taawo k'osh taawonton nokori iko bmuk'itk bowotal taaw giti dagotse beyiru gokiyo muk'ats wotts taawef taawo dabr een taawman daatso faletuwok'o daniruwotssh k'a' koyiyorsn finar kitsa.

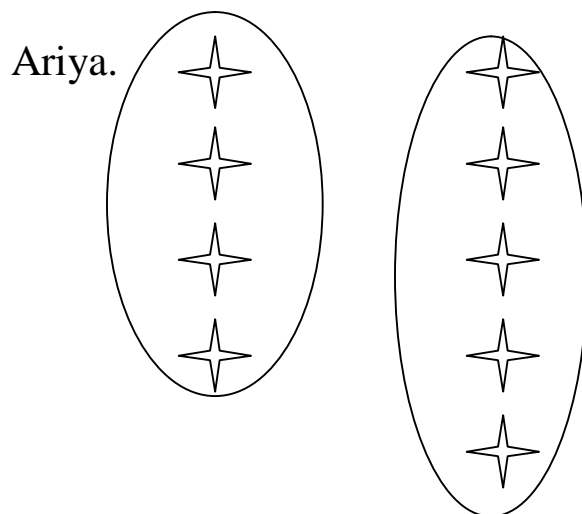
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Keez rsasiyots uts rsasiyotsiye muk'efno. Bwotefer git ersasiyotsi keez ersasiyotsats dabeyor uts ersasiyotsi wotituno. Hanmouts ersasiyofsnton tal bowoto kitsa.

$$\begin{aligned} \text{Ariya} \quad 11 &< 14 \\ 10 + 1 + E &= 10 + 4 \\ 1 + E &= 4 \\ E &= 3 \end{aligned}$$

Hansh taaw een daatsosh taa muk'ats k'osh taawo dabo faletuwok'o daniya. Daniruwots mus'afotse beyiru terwer 4.6 nat terwer 4.7 daniruwots bofinituwok'o k'ala.

Fin 4.6 Twi Dabonat k'awon aatotsi Fina. 10 niye dash beyiru taawotsi k'ac'I koyitotsi akmarats kitst koyiyanotsi beyok gitok kayir daniya.

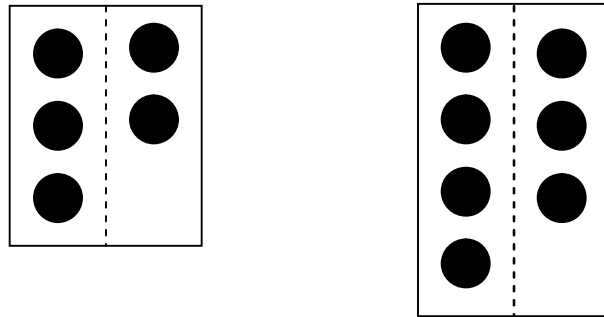


Haniye damb aron beyiru wotsi taawon beezo faletuwok'o kitsa.

$$9 = 4 + 5$$

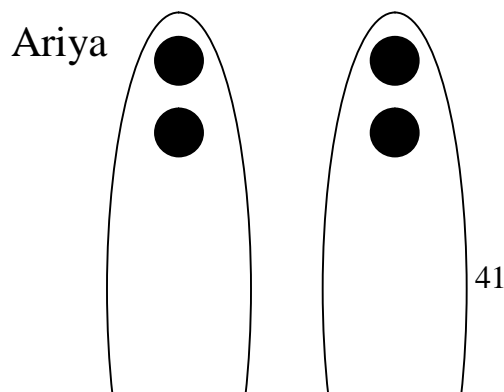
K'osh k'osh koyiytots aro akmarats kitsa. 10 niye mukituwotsi giromandiweeron ar kitsa. Giri weeron beyiruwotsiyere muk'it iknar arotsi k'an weeron kitsa.

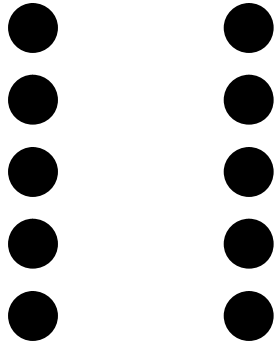
Orts aritssh k'ani weeron beyokibaasho oriya. Haniye okon daniruwotsi tizr beyoki baashats ambtso bwotok'o aatr bo'anituwok'o k'ala.



Haniye okon ikikon arotsi taawotsn boshaashituwok'o k'ala mnatse daniruwots taawotsi boshunts git taawots dabetso wonirr bofinituwok'o k'ala. Daniruwots mas'afotse beyiru terwer 4.9 nat ter wer 4.10 bofinituwok'o k'alr daniruwotsi tatsa. Terweranitse daniruwots dabman fino bogshde bodanetuwok'o k'alituwe.

Fin 4.7 Bodabetso 10 niye damb wotts taawotsi daba, Fin 6tse 10 niye muk'it taawotsi aron kayidek' s'ilrno. Finanitse ando kayidek' bos'iltots bodabetso 10 niye damb wotts taawotsn dabash bofinituwo ok'o k'alituwe.



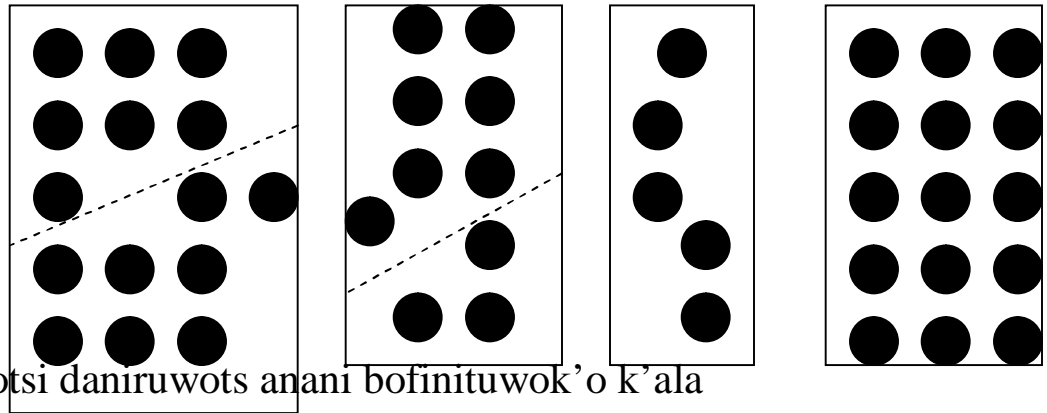


Ar – 1

ar – 2

Git aranitse iko gitosh ka'iya. K'ayet kayotsi iko danr kayerawats ekewot 10 b'iimetuwok'o k'ala.

Ariyosh are dek'a ar 2 ders gitosh kayeyor kayetso diyamr ar 1 ton b'eehor 10 bwetuwok'o k'alo geyife. Mansh ar 2 keez net'biyotsnat 4 net' biyotsi bdetsetuwok'o k'alde kayide beeza.



Hanari ariuotsi daniruwots anani bofinituwok'o k'ala

Haniye okon aronitse beyiruwotsi taawon shaatar daniruwotssh finar kitsa.

Ariyosh haniye dambi aron kitsetsotsi taawon shattar finewor

$$7 + 8 = 7 + 3 + 5$$

$$= 10 + 5$$

$$= 15$$

Dabetsotsi iko 10 niye damb bwotal kayiyor 10 niye damb wottso 10 nat 10 niye dash wotsts dabetsotsi k'alde k'op'a.

$$\begin{aligned} \text{Ariya } 14 + 5 &= 10 + 4 + 5 \\ &= 10 + 9 = 19 \end{aligned}$$

Han naron fineyal daniruwotssh ketituwe. Daniruwots mas'afotse beyiru terwer 4.10 daniruwots dabde bofinituwok'o k'ala.

Terweran daniruwots dozde bofinituwok'o k'alo geyife. Ani terwer 4.11 daniruwots bofinituwok'o k'alr k'oro geyife.

Fin 4.8 Boeno 10tse tur 20 bodfetso beyiru taawotsi k'awa.

Daniruwots andish bod bodetsts danok'on 10 niye dash beyiru taawotsi sheengshde k'awo falituno. Hansh Fin hanitse daniruwots bofinituwok'o geyeyiruwo taawotsi gitosh kayir haniye shn bodants k'awi tanon bofinituwok'o k'ala.

$$\begin{aligned} \text{Ariya } 11 - 5 &= \underline{\hspace{2cm}} \\ 11 &= 1 + 10 \end{aligned}$$

Hansh 11 beyok 1 + 10 shaato faletuwe.

$$11 - 5 = 1 + 10 - 5$$

Hanoke daniruwots keton 10 tse 5 k'awo falituno.

$$\begin{aligned} 11 - 5 &= 1 + 10 - 5 \\ &= 1 + 5 \\ &= 6 \end{aligned}$$

Han nar Aritutsi daniruwotssh finar kitsa. Daniruwots bo'eeno 10 niye boget taawotsn k'awo bofalfetso daniya.

Daniruwots mas'afotse beyiru terwer 3,1,2 daniru wots bofinituwok'o k'alo geyife.

Ani terwer 4.13, terwer 4.14, terwer 4.15 nat terwer 4.14 ani terwer 1.17 daniruwots dano eenshosh bfalituwotse ariyotsi sheengshde danir bofinituwok'o k'alr k'oro geyife.

Tatsonat k'orona

- 20 bodfetso feyiru s'en taawotsn maa finonat k'at'I finon dabonat k'awon s'en mats keewo iimr k'ora.
- K'osh k'osh taawotsi iimr k'osh k'osh git taawots dabetso bok'op'etuwok'o aata.

Ariya

15 iimr git taawots dabetson bok'op'etuwok'o k'ala.

$$15 = 11 + 4$$

$$15 = 3 + 12$$

$$15 = 6 + 9 \text{ artsotsi}$$

- Ik s'en taawo ik s'en taawatse egosh bbogetsok'o aata.

Ariya $14 < 16$ egosh ?

Bwotsoni $16 = 14 + 2$

- k'awi tano dabi tanon bogawituwok'o aata.

Ariya

$$4 - 3 = 1 \text{ bwottsoni } 3 + 1 = 4$$

$$14 - 2 = 12 \text{ bwottsoni } 2 + 12 = 14$$

K'OT'OK UTSA

20 bodfetso beyiru s'en taawotsi ayiyonat kayiyona

K'ot'hansh iimets sayito 31.

K'ot'han Jam k'os'otsi

Daniruwots k'ot' han danbok'tiye okon

- Ayiyonat kayiyon c'iro galde danetuno.
- Ayiyonat kayiyon c'iro galde danetuno.
- Giton ayiyonat kayiyon falituno.
- Twi Ayiyonat kayiyon aatotssh aaniyo daatso falituno.

Daniiruwosh Ayiytuwotsi

Andish bodfetso daniruwots dabonat k'awon terworotsi fino danrno. K'otanits nomo ayiyonat kayiyon danetuno. Ayiyi keew s'ap'o daniyosh keez weerotsi kitserno. Bowere

- Tal wotts dabetsotsi dek'ona.
- S'andotsi dek'ona
- Rektangliyotsi kaarewotsn s'entson dek'on bwotor, ikikon Jamotsi finotsi kitsosh haniye dash k'at'otse bodat f'inrno k'osh k'ants malots det'o falefe.

Ayiy fino finor ayitsots 20 niye bowaw taawotsn dek'a. Bayiyo 20 niye boget taanotsi k'at'anitse daniyo geyiratse.

Ayirywits beyoki wonawoniyo Ayituwatse woniyo bdorawok’o daniya. Ariyosh $2 \times 3 = 3 \times 2 =$ tal bowoto daniya. Bwotefere $2 \times 3 = 3 \times 2$ ayiyi wonawoni amal bewoto kewok’aza.

Tani niyo nodanit k’osh k’at’on bwoto gawo geyife. Dan k’at’ han nodaniyor faletsok’on bo’aawon bobek’etuwotsnat bogalotse beyiru jots k’ac’otsh de’er daba. Aron kitsa, manatse k’op’on finar daniruwotssh daniyo sheeng mala.

Mansh “” han ayiy c’iro bwotonat ayiyo eg bwotok’o keewa.

Ariya $2 \times 3 = 6$ han ayiy tali s’en mats keewo bwoto keewr bhababeyor 2 nat 3 bi’ayiyor wokin 2 toti keezo 6 wotituwe, 2 nat 3 ayirotsi bwotonat 6 nmo ayts bwoto daniya. Hank’on ayiy taliy s’en matsi keewo, Ayiyitanat Ayitson eg bowoto daniry taawi finotse ak’o bofinituwok’o kitsa.

Kayiyo nodaniyt kaare wotsh s’en tsets rektangliyotsi gitosh talo kayiyona. Bwotefe talo gitoko kayo falitu k’ac’ koyiyotsh k’ac’ ankato k’alo faletuwe. Dan hanits nofinituwo gitosh kayetuwots baron bwotefe orts finotsi no danit k’osh dani k’at’I bwottsotse, kayiyon finet aatotsats kordek’o geyife.

Ikik daniruwots aato botizor bwotef zeerowuniye k’oshon jam taawotsh kayiyyo faletuwok’onat shinomand bodanetuwok’o keewa.

Daniruwots ayiyonat kayiyon jageyo bodanetuwok’o k’ala. Hansh 2 ton ayiyonat kayiyon finar bojageyo daniya.

Ariya $A \div 2 = I$ bwotiyal $2 \times I = A$ bwotok’o kitsa.
Kayiyon finar ayiyon bo’arituwok’o daniya.

Ariya $6 \div 2 = 3$ han bwottsoni $2 \times 3 = 6$ bwottsosha err bofino ariyo bofalituwok’o Danita. Dabr daniruwots kayiyo, kaytsonat banon kayitsonat kayi taliy s’en mats keewots eg bowoto sheengshde bodanefuwok’o k’ala.

5.1. 20 bodfetso beyiru s’en taawotsn ayiya

Dan hansh iimets sayito 16.

Dani k’os’wotsi

Daniruwots dan han danbok’riye okon.

- Ayiyi c’iro galde danetuno.
- 20 bod fetso beyiru taawotsi 2 ton ayiyo falituno.
- Wonawoneyiruwotsi detsts ayiyi aato tsi fino faliyuno.
- “ayiruwots” nat “Ayetsotsn ” bts k’osheyo daneyuno.

Daniy ayiyi k’ac’otsi

- Flesh kardiyotsi, Abakesiyotsi, Tal k’ac’o detsts koyiyotsna, sheenotsi, korkiliyotsi.

Dano daniyot Dani t’in t’ina

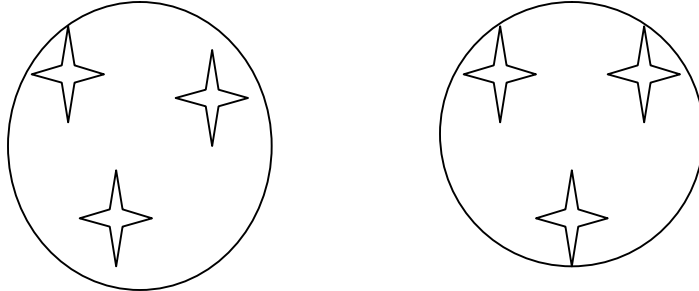
Fin 5.1 Ayiyo daniya

Ayiyo nodaniyor haniye dash keez weerotsn finarni.

1 Ik nar dabetsotsn finona

Bo’ayon tal wotts k’ok’rwotsi wokin korkiliyotsi matsde’e t’ara p’ezats bbe’etuwok’o k’alde beeza. Manatse ikik matsots ambts

keewotsi bdetso aatr ambts matsots bobeyo aata. Finan akmarats arir kitso geyife.



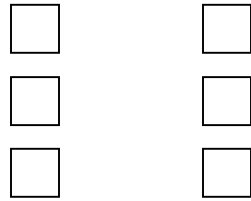
Ambts keezwots fano ? Git keezwots ambtsno? Er aatr git keezwots shrt bowoto daniyanat $2 \times 3 = 6$ k'op'ar bnababeyor 2 toti $3 = 6$ wotitio er daniya. Hank'o Fino imonat kifson ani daniruwots bodetsts wok'rwotsi matso bofinituwok'o k'ala.

- Han “ \times ” ayiyi c'ir bwoto
- $2 \times 3 = 6$ ayiy taliy s'en mats keewo bwoto nat
- S'en mats keewanitse znat 3 ayiruwotsi 6 nmo ayitoni bwoto daniya no comic anani ariyo iimr galde bodemetuwok'o k'ala.
- Ani arotsi akmarats finar daniruwots taliy s'en mats keewo bofinituwok'o k'ala.

2. s'andotsi finona

Ayiyosi s'ando tsn kitsosh git tal k'ac'o detsts k'ac'I koyiyotsi dek'ona. Jamoik ikon k'ac'I koyiyots k'oshotston s'adotsi fina. Manatse ambts s'andots bobeyo aata. S'adotsi fina manatse ambts s'andots bodetso aatfets keewa. S'andotsi

nodaniyor bogalotse dataset s'and wotts ke ewotsi dek'a Ariyosh ik s'and c'ama artsotsi de'er daniya. Han weeron nodani okon haniye dashi arotsi finefets keewa.



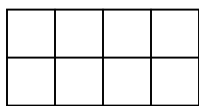
Git 3 s'andots = 6

$2 \times 3 = 6$ nababeyor 2 toti 3 shr to (6) wotituwe er daniya.

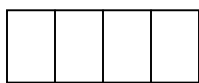
Finansh abakesiyon jam ikik s'andotsi shubotsats gokide keton taawoty faletuwe.

3. Rektangliyotsi kaarewotsn s'entsana

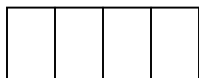
Rektangliyotsi kaarewotsn s'entsr ayiyo kitso faletuwe. Rektang liyotse beyiru kaarwotsi tawr nalk'o nat dashan taawr ayiyi keew s'ap'o daniruwotssh daniya.



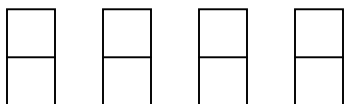
Rektabgliyan s'entsosh wokin finosh git nari weeron fino faletuwe.



1, Git audets rektangliyots bogonkewot haniye damb beyiru rektangliyo iimetuwe.



$$2 \times 4 = 8$$



2, Aud gitets kaar hanots bogonkeewot rektangliyo

iimetuwe.

Haniye okon daniruwots daniruwots dani mas'afotse beyiru aritotsi daniruwotssh daniyo geyife. Ani daniruwots dani fas'afotse beyiru aritotsi ndanik'riye okon terwer 5.1 bofinituwok'o k'alr k'oro geyife.

Ayiruwots beyoko wonawoniyo Ayitsats woniyiyo bdorawok'o haniye dam kitsets weerotsi keewo faletuwe.

Ariya $3 \times 2 = 2 \times 3$ bwoto kitsa. Hanmo ayiruwots bobeyoko bowonawoniyal ayitsats woniyiyo bdorawok'o daniruwots bodanetuwok'o k'ala.

Bwotefere ayiy wonawoni amala er daniyo geyiratse. Daniruwots mas'afotse beyiru terwer 5.3 bofinituwok'o k'ala shin ariyotsi fino geyire.

Dabde orts taawotsi ayiyo mas'afotse beyiruwofse iknari weeron daniruwotssh daniyr terwerotsi bofinituwok'o k'alr bodano gawintso geyife.

5.2 20 bodfetso beyiru s'en taawotsi kayiya

Dan hansh iimets sayito 15.

Dan han k'os'wotsi

Danituwots dan han danbok'riye okon

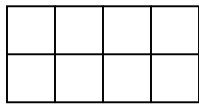
- kayiy d'iro galde danetuno.
- 20 bodfetso beyiru s'en taawotsi 2 kayiyo falituno.

- “ kayetsoni”, kaytsoni” nat “bodtsoni” eteyiru keewi s’ap’otsi galde danetuno.
- Ayiyonat kayiyon gokeyo galde danetuno.
- Wonawoniyo detsts kayiy aatotsi fino falituno.

Daniy ayiyi k’ac’otsi

Fin 5.2 kayiyo danioya.

Kayiyo daniyosh haniye dashi malotsi s’ilr aratse be’eyiru kaarewo fina.



Gitosh talo bkayeko kitsa. Ikik rektangliyotse ambts kaarewots bobeyo aata.

Manatse



$8 \div 2 = 4$ k’o’or bnababeyor, 8 bkaiyewor bwotit 4 er bwoto nababefets daniya. K’osh ariyotsi finar kitsa. Han “ \div ” kayiyi c’ir bwoto keewa.



Ariya $6 \div 2 = 3$ kayiyi taliy s’en mats keewo bwoto, 6 kayetso, 2 kaytso 3 nmo bodtso bwoto daniya. Hank’o nari s’en matsi keewotsi finar kayetso, kaytso nat bodtson galde bodanetuwo’o k’ala. Ani k’ok’rwatsn kitsa, k’ok’rwatsn ayo 2, 4,

6, 8, 10, 14, 18 wikin 20 bowotituwok’o k’ala. Han wotosh bfali nodaniyituwo gitosh kayiyo bar bwottsosha.

K’ok’rwotsi gitoko talo kayifets kayiy taliy s’en mats keewo finar kitsonat botewre rituwok’o k’ala.

Fin 5.3 Kayiyonat ayiyon jageyo daniya

Fin honitse rektanglitse es’ts k’ok’rwotsi talo kayiyr kayiyetsotsnmo ikats woshr wokan k’ok’rotsigitosh talo kayiyi kayitsotsnmo ikats ger gititanwotsikitsa . Aritosh $6 \div 2 = 3$ bwotiyal $2 \times 3 = 6$ bwotituwok’o keewa. Hannaron aritotsi dwode finar kitsa. Manatse $8 \div 2 = 4$ bwottsoni $2 \times 4 = 8$ bwottsoshaer keewr ariyo faletuwok’o daniya.

Han naron ay ariyotsi finar kitsr duniruwots git taanots dagotse (talotse) beyiru jageyo bodanetuwok’o k’ala. Bofinosh egosh bofintsok’o wokan ariyo iimo bodanetuwok’o kup’ya.

Daniruwots mas’afotse beyiru terwerotsi bofinituwok’o k’alo geyife. Bodabtarono s’ilr k’oro geyif. Tep’ iimo geyife.

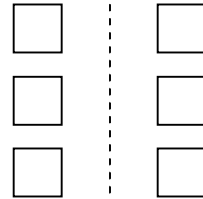
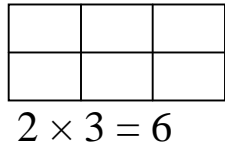
Fin 5.4 Ayiyonat kayiyi terwerotsi

Daniruwots ayiyonat kayiyon dantno. Bofalan bo’eenshituwok’o dan hanitse k’osh k’osh terwerotsi iimere.

Dabde’e daniryuwots terwerotsnat ariyotsn fin kitsr bgeyiyal aaniyo iimonat terwerots mand kindftse shinon aritotsn finar keewa. Nofints weeron fina.

Ariya $2 \times 3 = \underline{\hspace{2cm}}$

Etiruwan finosh rektangliyots aro kitr kaarwots 2te 3 bowotonat $2 \times 3 = 6$ bwoto keewa.



Jam terwerotse daniruwots fion dozonat k'oronat mawk'o ettsotsi ayiya. Terwerots aniyo daniruwots akmarats keyer bofinituwok'o k'alr i ar wotsts aaniyo iima.

A	$A \times 2$
0	0
1	2
2	4

“A” wonawoniye tk bwotonat bshaatt “A” shirotse beyiru taawotsitse ikon bwotituwok'o “A” k'awtso bwoniyor “ $A \times 2$ ” bdatseyo (bi'ayiyoy) bwonerawk'o daniya. Manatse “A” beyokats shaatet taawotsi 2 ayiyifets bi'aaniyo bofinituwok'o k'ala. Han naron ayiyonat kayiyi jando bos'iletu wok'o k'ala. Hani bo'ap'on (bokaaron) s'ilr taano bofalituwok'o keewonat daniyona. S'ilfets bo'ats atseyo nokoriyok'on aatefts bodetsetuwok'o k'ala.

Jandots s'entsetso ap'on (k'aaron) bos'ilo taawonat finon k'oshon ap'on (k'aaron/taano bofalituwok'o k'alfe. Hansh

daniruwotsi s'ilde wot er k'azoniye garon kayiyide ik garo iko bi'aatituwok'o k'alr bodatstso (boimo) k'oio deshde bodagotse bonokoriyetu wok'o k'ala.

Il iimets Jandi terwerotsi bofinituwok'o k'alr bofino dozozi k'oronat aanito daniruwots tur akmarats bofinitu wok'o k'ala.

Bodartso bodozituwok'o ar wotts aanito iima.

Wonawoniyo detsts taliy s'en mats keewi aatots wonawoni ar k'awtso daatsa, s'en matso keewo ak'o ar bowoshituwok'o daniya.

Ariya $6 \div A = 3$ finosh $A \times 3 = 6$ bwoto hansh $A = 2$ bwoto kitsr hank'o aritotsi finar daniru wots terwerotsi bofinituwok'o k'ala.

Mas'afotse beyiru k'osh terwerotsi hannari weron aritotsi fin kitsr bofinituwok'o k'ala. Ani k'osh fetwerotsnat Ariyotsn finar kitsa.

Dank'at' han shutsatse (il) aud taanotsn terwerots iimere. Hanotsu daniruwots falo bogshde eenshosh ayiyituno hansh haniye shn bodants dabonat k'awon terwerotsatse muk'I magiyo geyife. Hanu daniruwotsi shinatsi danomand beshiyosh bofalonat bok'aneyo k'orosh sheengshdek' bodanawotsi ani daniyosh wotituwe.

Danan k'atanitse daniruwots bodantsotsi wotere ander ap'otsi (keewi s'ap'otsi) bodantsok'o, ap'ots bitso bokewituwots ap'idano b'eenok'o dana.

Iineyiru Jam terwerotsi k'o'ode'e desh daniruwotsi k'oro geyife. Manbwotsoni daniruwots nababonat k'op'on sheengshdek' bofalawotse k'op baron fad iimo sheeng k'ori malo wotobkaztsotse fad baron k'ork'aza.

Taatsonat k'orona

- Ayiy c'iro galde bokeewotuwok'o aata.
- Ayiyi s'en matsi keewotsi bonababituwok'o aata.

Aritash $3 \times 2 = 6$

Bnababeyor 3 aye bwotit 6 wokin 3 ofi 2;6 wotituwe.

- 2 ayiyotsi wottsotsi 10 bodfetso beyiru s'en taawotsi bokeewituwok'o aata.
- Jandon ayiyi aatotsi iima.

A	$A \times 2$
1	?
2	2
5	?
4	?

- Wonawoneyiru wotsi giton ayiyir beyokibashotsi s'entst ayiy s'en mats keewo bofinituwok'o k'ala.

Ariyosh $A \times 2 = 6$, $A = \underline{\hspace{2cm}}$

$4 \times A = 8$, $A = \underline{\hspace{2cm}}$

- kayiyi c'iro galde bodano danosh k'osh c'irutston beezr aw bwoto aata.
- Ayiyonat kayiyon jagewo aatotsn aata
- wonawoneyiruwotsi kayiyi taliy s'en mats keewotsits gerde aata.

Hanats dabde kewanotsatse tur daniru wotssh fado iimo geyife.

K'OT'OK SHRTA

0 tse tur 100 bodfetso beyiru s'en taawotsi

K'ot'okansh iimets sayiyo 22.

K'ot'an jam k'os'wotsi

- 0 tse tur 10 bodfetso beyiru s'en taawotsi nababonat k'op'on falituno.
- “<”, “>” nat “=” c'iranotsn 0 tse tur 100 bodtetso beyiru s'en taawotsi nokoriyo falituno.
- 10 ayiyietsotsi dabonat k'awon falituno.
- Ambaronat santini mazariyotsi danetuno ani ambari arotsnat satimi arotsn galde danetuno.
- Dabonat k'awontsn finets ap'i kic'wotsi aniyo geyo falitun.

Daniyruwo Ayiyiruwotsi

10 ayiyotsi etoni taawots 10 ayiyar boimet kasha. Tatsi ayiyots 100 sh ort aalo kayiyet taawotsi eta, k'ot'ok hanitse daniruwo bodanetuwo 100 bodfetso veyiru tatsi ayiyotsi barotsi. Bomo 10, 20, 30, 40, 50, 60, 70, 80, 90 nat 100.

K'ot'okanitse daniruwo haniye shin bodants ayiyi danotse muk'I bgawnetuwok'o dana. Bwotefer ayiyi fin han ayidek' ket bwottsosh ap'on detso bofaluowtse daniruwo ssh iki dano baro bodanetuwo k'o daniya.

$$\text{Ariya } 7 \times 10 = 70$$

6.1 10 ayetsotsi

Dan hansh iimets sayito 19.

Dani k'of'wotsi.

- 100 bodfetso beyiru 10 ayetsotsi danetuno.
- 100 bodfetso beyiru 10 ayetsotsi nababonat k'op'on falituno.
- 100 bodfetso beyiru 10 ayetsotsi dabonat k'awon danetuno.
- 100 bodfetso beyiru 10 ayetsotsi “<”, “>” nat “=” c'iranotsn nokoriyo falituno.

Dani aayiyi k'ac'otsi

- Abakesiya, Flesh kardiya, 10 k'ac'otsidetsts koyiyotsi kbrit mita.

Dano daniyor dani t'int'ina.

Fin 6-1 10 ayetsotsi daniya.

Ikok tatso, Ikok taatso k'aldek' tipets kbrit mitotsi dewar daniruwootssh iima. Bodetrsts 10 kbrit mitotsi ani taawde kitsa. Manatse tippets 10 mitotsi t'arap'ezuts beezr okngit tipetsotsi k'awar kitst kitsfets git tipanots ikats nodabiyal wokin eekr notipal 20 kbrit mitotsi bowotituwk'o taawr kitsa. Jam daniruwootsi ikikon taawr niy 1201 kbrit mitots bowotituwk'o k'ala. Ani keez tipo ikats b'eekeewot 30 (shaash) kbtit mitotsi bowoto taawr daniya. Manatse akmarats finefets kitsa.

$$\begin{aligned} \text{aAriyash } 2 \text{ tatsots} &= 10 + 10 \\ &= 2 \times 10 \\ &= 20 \end{aligned}$$

$$\begin{aligned} 3 \text{ tatsot} &= 10 + 10 + 10 \\ &= 3 \times 10 \\ &= 30 \end{aligned}$$

Ariy hanan 4 tatsotsi, 5 tatsotsi, 6 tatsotsi 10 tatsotsi eekde 20, 3, 40, 50, 60, 70, 80, 90, 100 bowoto daniya manatse taawoanots 10 auetsotsi bowoto keewa. Han naron bodaniye okon daniruwootsi ikikon tizr amts tatsots bo'eeheyale 20 bwoti ambts tatspts bp'eejouale 30 bwoti? Ambts tatsots bo'eehiyale 40 bwoti ? erfats 100 bodfetso aata. Hank'on daniruwoots tatsi ayetsots eto eg eto bwotonat otse tur 100 bodfetso beyiru tatsi ayetsotsi dano falituno.

Ani flesh kardiyotsi de'er ikik daniruwots ikikon kishr git tats kbriti miti tipotsil bo'eehor ambts kbnit mitots bowotiti? Er aateyor 20 er bo'aniyal, bad'ideki bezets flesh kardiyotsitse dogofs taaw 20 bi'ats k'op'ets kardio kishde bokitsitu wok'o k'ala. Hank'on k'osh daniruwotsi ikikon kishde 3 tatsots bo'eehiyal ambts bowotituwok'o flesh kardiyotsn bokitsitu wok'o k'ala.

Ani 10, 20, 30, 100 bodfetso beyiru taawotsi shine shutson akmarats kitse okon daniruwotsi ikikon tizr taawotsi k'op'ar bonababituwok'o k'ala.

Ariy - 1

$$10 = 1 \times 10$$

$$20 = 2 \times 10$$

$$30 = 3 \times 10$$

$$40 = 4 \times 10$$

$$50 = 5 \times 10$$

$$60 = 6 \times 10$$

$$70 = 7 \times 10$$

$$80 = 8 \times 10$$

$$90 = 9 \times 10$$

$$100 = 10 \times 10$$

Ariy - 2

Taawots jando wonawoneyiru wotsn gawn terwerotsi iimr botewrerituwok'o k'ala.

Ariyosh

A	$A \times 10$
2	?
3	30
5	?
6	?

Ariy – 3

Tatsi ayetsotsi tatsi dabetsomand toad’iya.

$$\begin{aligned} 40 &= 4 \times 10 \\ &= 10 + 10 + 10 + 10 \end{aligned}$$

Ani daniruwots mas’afotse beyiru ter werotsi dabde bofinituwok’o k’alde daniya.

Ariy – 4

Tatsi ayetsotsi egats tut bo’aytsok’o keewr “<” nat “>” ciranotsn nokoriya.

$$\begin{aligned} 30 &> 20 \text{ han bwottsoni } 3 > 2 \\ 40 &> 30 \text{ han bwottsoni } 4 > 3 \\ 30 &< 40 \text{ han bwottsoni } 30 + 10 = 40 \\ 50 &< 460 \text{ han bwottsoni } 50 + 10 = 60 \end{aligned}$$

Han naron ariyotsi dabde bofinituwok’o daniya. Ani daniruwots dani mas’afotse beyiru terweri aatotsi bofinifawok’o k’ala.

6.2 21 tse tur 100 bodfetso beyiru s’en taawotsi

Dan hansh iimets sayito 5.

Dan han 1 k'os'wotsi

- 21 tse tur 100 bodfetso beyiru s'en taawotsi k'op'o falituno.
- 21 tse tur 100 bodfetso beyiru s'en taawotsi nababo falituno.

Dani aayiyi k'ac'ots ;

- Flesh kardiyotsi, kbriti mitotsi, abakesitotsi

Dano daniyor dani t'in t'in

Fin 6.2 100 bodfetso beyiru s'en taawotsi daniya

K'ot'okanitse buts took 6.1 tse daniruwots 10 ayetsotsi sheengshdek' danrno. 10 ayetsotsanotsi de'er orts taawotsi daniruwotssh daniyo faletuwe. Kbriti mitotsi dani aayiyi k'ac'ok'o de'er 100 bodfetso beyiru taawotsi daniyo faletuwe.

10 detrst 10 kibritimita,

Ikdets tats jibritimito k'aniya. Haniye okon haniye shin daniruwotssh nokeewtso k'on ano andor 10 detsts mitotsi k'awude'e daniruwotssh taawa, maniye okn ik kbrit mitu dabderani daniruwotssh taawa. Hannari weeron hiye ikono wotere k'osh taawotsi daniya.

Ariya 2 tatsots = 20

2 tats kbrit mitotsats ik kbrit mito dabeyor hiye ik kbrit mit bwotitu wok'o kitsa.

$$20 + 1 = 21$$

$$20 + 2 = 22$$

$$20 + 3 = 23$$

$$20 + 4 = 24$$

$$20 + 10 = 30$$

Han nari weeron daniruwotssh 100 bodfetso beyiru s'en daawotsi daniya. Hanats babde daniruwots mas'afotse beyiru terwerotsi daniruwots bofinituwok'o k'alr k'oro geyife. Daniruwots terwerotsi bofineftse shinon wotowa bako aritotsi fino geyife.

Fin 6.3 21 tse 100 bodfetso beyiru s'en taawotsi k'op'onat nababona.

Daniruwots 100 bodfetso beyiru s'en taawotsi Fin – 2 tse Danrno. Finanitsnmo taawanotsi k'op'onat nababon bofalituwok'o k'osh k'osh ariyotsnat terwerotsh daniruwotssh finefets daniya.

Hanats dabde Fin -3 tse tats detsts keewotsnat ikwotsi detsts eekde'e daatsets taawotsi ik detstsonat tats detstsotsi galde daniru wots taawotsi sheengshde bodanetuwok'o k'aluwer. Haniye okon danituwots mas'afotse beyiru taritotsi daniruwotssh keewt (danir) terweritsi bofinituwok'o k'alo geyife.

Daniru wots taawotsi k'op'onat nababo bofalitu wok'o k'alitterwerots daniruwots mas'afots bobeyiru wotse bofinituwok'o k'alde k'oorra geyife.

21 tse tur 100 bodfetso beyiru s'en taawotsi donosh aayiyit terwerots daniruwots mas'afatse datsetuno.

Ariy -1 $30 + 7 = 37$

Ariyi han daniruwots tatsetso tsnat iketotsn dabo bofalituwok'o k'alituwe.

$$\underline{\text{Ariy} - 2} \quad 40 + E = 43$$

Ariyi han daniru wots ariyiy ikatse bobek'ts aati narotsn wonawon eyiyruwotsi de'er bofinituwok'o aayituwe. Ani k'osh k'osh janditsi wonawoneyiruwotsn daniruwots fino danetuno. Jandotsi daniruwots bodanetuwok'o k'ala.

6.3 Ambarotsnat santimotsi daniya

Dan hansh imets sayito 3

Dani k'os'wotsi

Dan haniye okon daniruwots

- Ambariy nnarotsi galde danetuno
- Santimi naarotsi galde danetuno.
- Ambaronat santimi gokeyo danetuno.

Dani aayiyi k'ac'otsi

- satiminarotsnat ambari arotsna.

Dano daniyewor dani t'in t'ina

Daniruwots mas'afotse s'egets santini narotsi daniyi weeratse dabde jam santimi arotsi kitsr daniru wotssh kitsr daniyo geyife.

S'antimi arots bodetsts gokeyo danito geyife.

Ariya "25" santimi aro uts utsi santimi arotston tal bwoto daniya.

Hanats deshide daniruwots dani mas'afotse beyiru terwerotsi daniruwots bofinituwok'o k'alo geyife.

K'osho ambari arotsi daniruwotssh daniyosh jam ambarots aro kitso geyife. Manatse ambaronat santimon bodetsts gokeyo daniyosh shin ik ambaro ambts tats santimotsi bdetso daniruwotssh daniyo geyife.

Ariya 1 ambaro tats santimotsi detsfe.

1 ambaro git shiligotsi detsfe

Hank'o naron uts ambaro uts ikik ambarotsi bdetso keewr k'osh ambarots bodetsts 1 ambari ayiayo danir bodetsts go keyono daniyo geyife.

Ani daniruwots dani mas'ofotse beyiru terwerotsi daniruwots bofinituwok'o k'alr k'oro geyife.

6.4 0 tse tur 100 bodfetso beyiru s'entaawotsi

nokoriyonat tawots maa k'awtsa

Dan hansh iimets sayito 5.

Dani k'os'wotsi

Dan haniye okon daniruwots

- 0 tse tur 100 bodfetso beyiru s'en taawotsi boshine shutson k'op'o falituno.
- 0 tse tur 100 bodfetso beyiru s'en taawotsi nokorito falituno.
- 0 tse tur 100 bodfetso beyiru s'en taawotsatse maa k'awtso keewo falituno.

Dani aayiyi k'ac'otsi

- 0 tse tur 100 bodfetso beyiru s'en taawotsi detsts flesh kardiyotsi.

Dano daniyor dani t'in t'ina

Fin 6.4 shinonat shutson daniya

Haniye shini beyiru k'ot'okotse daniruwots shion nat shutsona etef ap'otsi danrno.

K'ot'okanitsno haniye shine bodantso k'on daniruwots 21 tse tur 100 bodfetso beyiru taawots shine shutso bodanetuwok'o k'alo. Han daniyosh woterawots terwerotsidaniruwofs mas'afotso datsetuno.

Arita

<u>Shina</u>	<u>taawa</u>	<u>shutsa</u>			
<table border="1"><tr><td>20</td></tr></table>	20	<table border="1"><tr><td>21</td></tr></table>	21	<table border="1"><tr><td>22</td></tr></table>	22
20					
21					
22					

21 iimets taawoni.

Ariyanatse daniruwots ikno shinonat shutson bofinituwoko woshere. Manatse shin shino sat'notse daniruwo iimets taawo ikon muk'it shinatsi taawo s'entsr, gitl s'at'initsoh iimets taawatse ikon boget taawo bs'entsituwok'o k'ala. Ariyatse shintso 20 han weron keweokon daninwots teerworo bofinituwok'o k'ala.

Fin 6.5 Taawots shinesshutsa

Fin hanitse taawots shine shouso k'op'onat daniyosh falit k'osh k'osh terwrots fano. Rerwer hanotsitse beyoki baash s'entsa.

Ariya 26, 27, 28, 29, 30,

Jindotsats k'op'ets taawo baashats k'op'etsotsi. Honmo daniruwots ik taawoatse weet taawot taawotsi bodanetuwok'o k'alituwe. Ariyatse tur terwerotse beyiruwotsi boshine shutso deshide kloono .

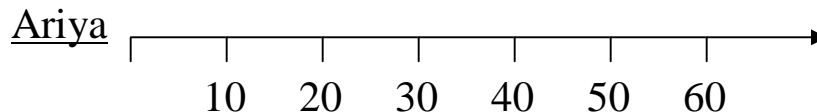
Ariya 22, 24, 25, 23, 26

22, 23, 24, 25, 26

Fin han daniruwots taawotsi matsde shine shutson k'oor bodanetuwok'o aaiyituwe.

K'osh Terwerotsu daniruwots taawots shine shutso sheengshde bodanetuwok'o aaiyi tuno. Hansh daniruwots dani mas'atotse beyiru lk artsotsi ter werotsi daniruwots bofini tuwok'o k'alr k'oro geyife.

Hanats dabde taawi tos'o taawots shine shutso bezsh geyik bewofotse sheengshde daniru wotssh kitso.



Aritanitse k'anomandonat giromandan amet taawots fano.

K'oshoni taawots maa k'awtso daniyosh daninouwots dani fas'afotse iimets dani weeron daniyo geyife.

Ariy - 1 22 = 20 + 2

$$= 10 + 10 + 1 + 1$$

Hanatse noayeyinwok'on 2 tatsotsnat 2 ikots fano. Hansh shinatsi 2 (gitoni) taatsi maa, gitlts gitoni iki maa.

Ariya $34 = 30 + 4$

$$= (3 \times 10) + (4 \times 1)$$

34 tse 3 tatsi moo bwotor 4 nmo ikimooyi.

Fin 6.6. Ap'I k'ic'wotsi

Ap'I proble miyotsi akmorarats k'o'ofets ikikon tizr aato aata.

Ariya “shin shino ik rsasiyo detsfi and taaiko neesh tdabiyal ambts rsasiye neesh bwotiti?” err aatr bo'aanituwok'o k'alr daniya. Ani k'osh daniruwo tizr “nee ik kobiyo detsfi btesh and taa git kobiyotsi neesh tdabiyal ambts kobiyotsne neesh bowoti?” er aata. Hank'on k'osh daniruwotsno “ niit git kobiyotsi detsft btesh iko iit'eeshush itimal abts kobiyotsne iitsh oriti?” er aatfets ap'I problemiyotsi bodanetuwok'o k'ala.

Daniru wots dani mas'a fotse beyiru ap' problemi yors k'oshs daniruwots aaw aawon bofiniru keewots ton gokide aatotsi aato falefe.

Taatsonat k'oorona.

100 niye dash beyiru tatsi ayiye tsotsi bos'e getuwok'o aata.

- 10 ayiyetsotsi daniruwots ap'on bonabituwok'o aata.

- tatsi ayiyetsotsi iimr bodabetsonat k'awewot datsetu bokeewituwok'o wokin bok'op'e tuwok'o aata.
- Git tatsi ayiyetsotsi daniru wotssh iimr bonokorituwok'o egosh mank'o bwoto aata. Han maa finonat k'at'I finon iimr k'oor faletuwe.
 - 100 bodfetso beyiru s'en taawotsi bo'ap'on bonabituwok'o aata.
 - Mukfna taawotsi 100 bodfetso beyiru taawotsitse kishr bok'op'etuwok'o k'alr bok'op' k'opo silr doza.
 - K'osh k'osh santim arotsi kitsr ambts bowoto aata.
 - Ambari arotsnat santimi arots gokeyo aata.
 - 100 badfetso beyiru taawotsitse muk'na taawotsi iimr shine shutson bok'opetuwok'o k'ala.
 - 100 bodfetso beyiru taawotsitse muk'na taawotsi iimr bonokoritu wok'o aata.
 - 100 bodfetso beyiru taawotsi iimr bomaa k'awtso bokeewitu wok'o kali.
 - Manatse daniru wotssh wotit fado keetide k'awn s'en matsi keewon immo geyife. Haniye damb iimets aatotsi fadon iimo geyife.

