

BARNOOTA HERREGAA

Kitaaba Barataa Kutaa 2

Kitaba Barataa Kuta 2

+	0	1	2	3	4	5	6	7	8	9
0										
1										
2			4							
3										
4										
5							11			
6										
7										
8										
9				12						

$75 - 24 = 51$
 $70 + 12 = ?$
 $5 \times 10 = 50$

320
 700
 500
 1000

$7\ell + 16\ell = 23\ell$



**Ripaabilikii Federaalawaa Dimookiraatawaa Itoophiyaatti
Ministeera Barnootaa**

MOE

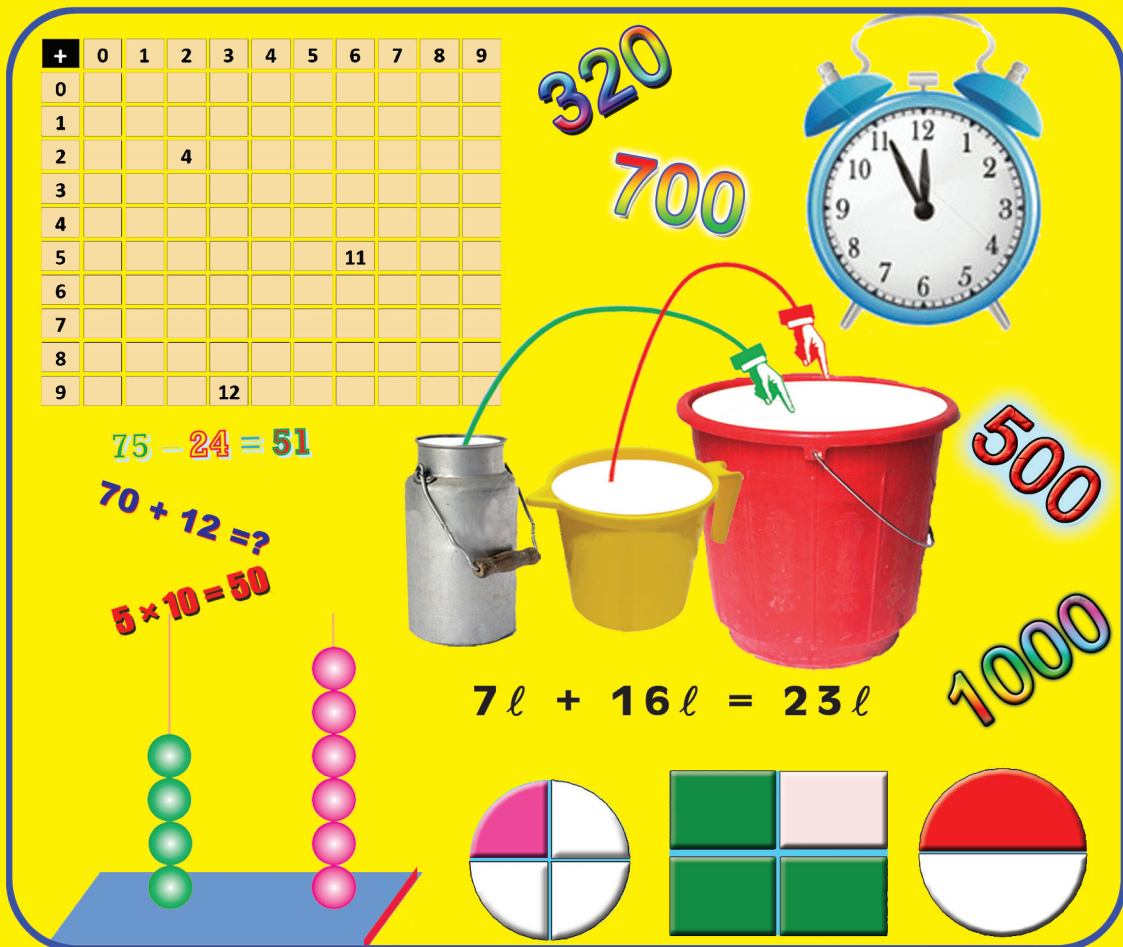


**Ripaabilikii Federaalawaa Dimookiraatawaa Itoophiyaatti
Ministeera Barnootaa**



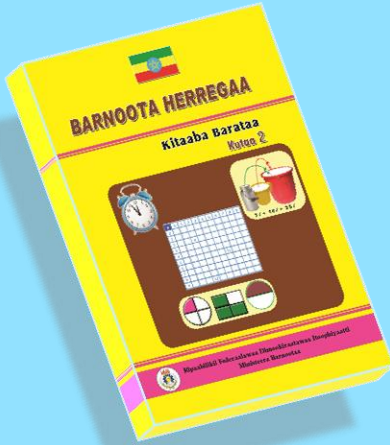
BARNOOTA HERREGAA

Kitaaba Barataa Kutaa 2



Ripaabilikii Federaalawaa Dimookiraatawaa Itoophiyaatti
Ministeera Barnootaa

KITAABA KANA HAALA GAARIITIIN QABACHUUN ITTI GARGAARAMI.



Kitaabni kun qabeenya mana barumsaa keetii dha.

Akka miidhaa irra hingeessisne yookiin miidhaan akka irra hin geenye eeggadhu.

Kitaaba kana haala gaariitiin qabachuuf, qajeelfamoota armaan gadiitti fayyadam.

- 1 Kitaabicha gaazexaa, pilaastikii yookaan waraqaadhuma argatte itti huffisi.
- 2 Kitaabicha yeroo hunda bakka gogaa fi qulqulluu ta'e kaa'i.
- 3 Kitaabicha yeroo hunda harka qulqulluutiin qabadhu.
- 4 Qola isaa irratti yookaan keessa isaatti hoomayyu hin barreessiin.
- 5 Bakka booda banachuu barbaaddu kaardiin yookaan waraqaa gabaabaa keessa kaa'uun mallattoo taasifadhu.
- 6 Fuula tokko yookiin fakkii tokkollee keessaa tarsaasuuf hin yaaliin.
- 7 Fuulli tarsa'e yoo jiraate, happee yookiin pilaasteriin deebisii walqabsiisi.
- 8 Karaa irrattiis haala kitaabichi hin miidhamneen qabadhu.
- 9 Kitaabicha yommuu nama biraatti kennitu eeggadhu.
- 10 Kitaaba haaraatti yeroo duraatiif yommuu gargaaramtu, kitaabicha, dugdaan ciibsi si'a tokko fuulota muraasa qofa galagalchi. Suuta jedhii jidduu kitaabichaa harkaan gadi qabi. Haalli kunis qolli kitaabichaa akka hin miidhamne gargaara.



BARNOOTA HERREGAA

KITAABA BARATAA

KUTAA LAMMAFFAA

Barreessaan

Daadhii Asaffaa
Addaamuu Nyaaroo
Abarraa Balaay
Taaddasaa Gammachuu

Madaaltota

Xilaahun Alamuu
Aliyyi Uluu
Laggasaa Tarrafaa



Ripaabilikii Federaalawaa Dimookiraatawaa Itoophiyaatti
Ministeera Barnootaa



Kanmaxxanfame ALI bara 2003 Ripaabilikii Federaalawaa Dimookiraatawaa Itoophiyaatti Ministeera Barnootaa jalatti piroojeektii fooyya'insa Barnoota walii-galaatinidha. Piroojeektiin kunis maallaqaan kan deggeramu dhaabbilee IDA credit number 4335-ET, the Fast Track Initiative Catalytic Fund fi Mootummoota Finland, Italy, Netherlands fi United kingdom dha.

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Ministeerri Barnootaa qaamota gareeewwanii fi namoota kitaaba kana maxxansiisuu irratti qooda fudhatanii fi boodas qajeelcha barsiisaa itti dabalan galatoomfachuu barbaada.

Wantoota akka hinfudhatamne mirgi isaanii eegame tokko tokko hayyamnaan kana keessa galaniiru. Abbaa mirgaa wantoota kanaa ta'ee kan sirriitti hin ibsamiin yoo jiraate, Ministeera Barnootaa, Arat-kiiloo, Lakkoofsa saanduqaa 1367, Addis Ababa jedhee nuuf barreessuu danda'a.

Qophaa'ee kan maxxanfame

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Boqonnaa

1

$$75 - 24 = 51$$

$$170 + 99 = ?$$

IDA'UU FI HIR'ISUU
HAMMA 100TTI

1.1 KEESSA DEEBII LAKKOOF SOTA HUNDAA HAMMA 100TTI

GOCHA 1.1

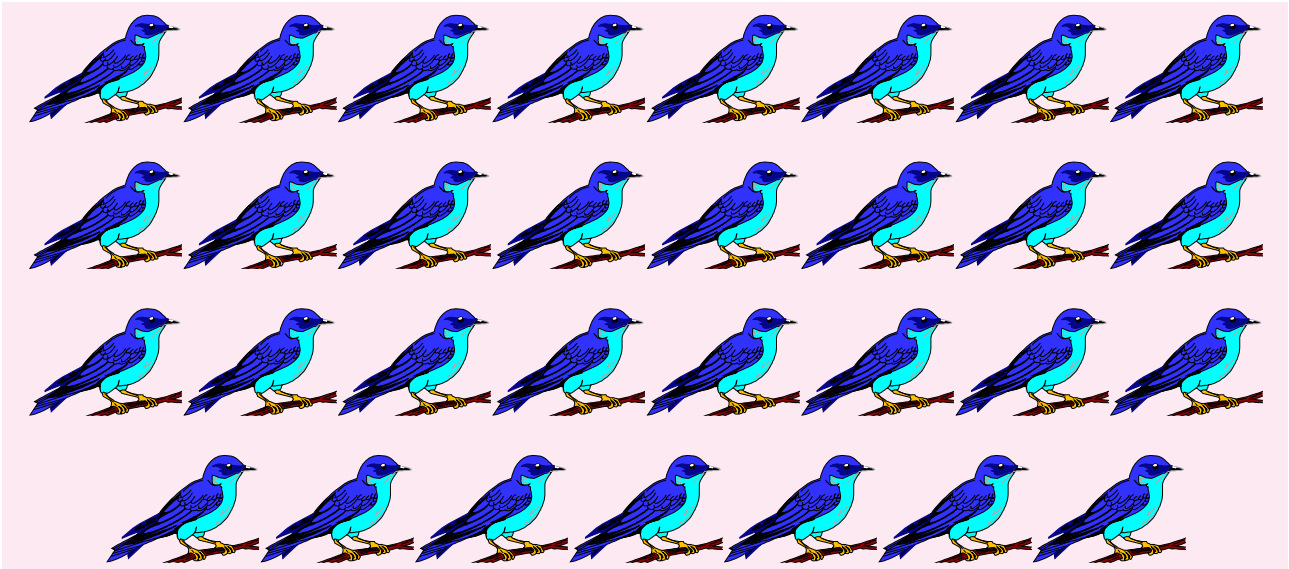
- 1 Barattoonni kutaa lamaaffaa biqiltuu dhaabanitti dallaa ijaaruuf mukoota xixiqqoo fidanii turan. Badhaatuun mukoota xixiqqoo 27 yoo fidde kurnan meeqaa fi tokkee meeqatti hidhuu dandeessi?
- 2 Lakkoofsota armaan gadii hamma dhibbaatti jiran gabatee irratti guuti.

1					6			9	
	12								
						27			
		33							
41									
								59	
							68		
						77			
	82								
								99	

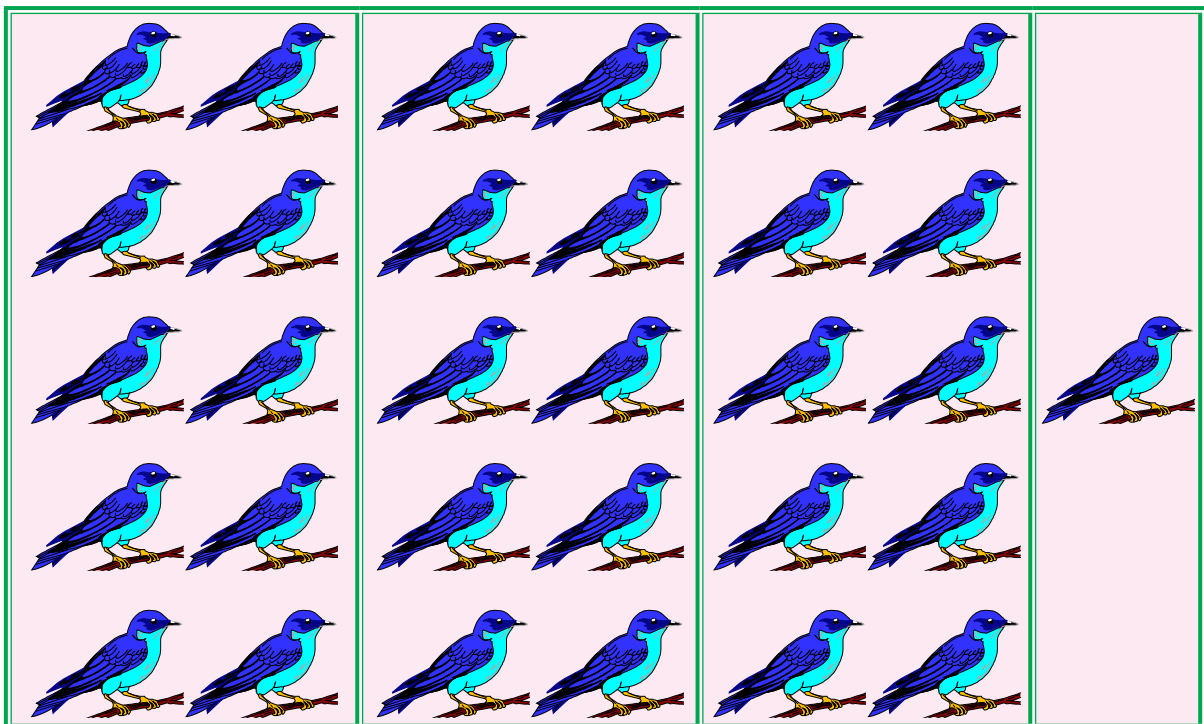
Fakkeenya 1

Kurnanii fi Tokkeewwaniin Lakkaa'uu

Simbirroota meeqa qabna?



Mee kudhan kudhaniin qoqqoodi. Kudhan meeqa argatte?



$$31 = \text{kudhan } 3 + \text{tokkee } 1 = 30 + 1$$

GILGAALA 1.1

Lakkoofsotni armaan gadii kurnan meeqaa fi tokkee meeqa akka qaban ibsi.

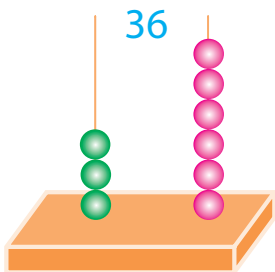
- 1 42 = Kurnan _____ fi tokkeewwan _____
- 2 36 = Kurnan _____ fi tokkeewwan _____
- 3 67 = Kurnan _____ fi tokkeewwan _____
- 4 85 = Kurnan _____ fi tokkeewwan _____
- 5 78 = Kurnan _____ fi tokkeewwan _____

Fakkeenya 2

Lakkoofsaan yommuu ibsaman

- 1 Kudhan 1 + tokkeewwan 4 = 14
- 2 Kudhan 1 + tokkeewwan 8 = 18
- 3 Kurnan 2 + tokkeewwan 9 = 29
- 4 Kurnan 3 + tokkeewwan 2 = 32
- 5 Kurnan 7 + tokkeewwan 8 = 78

Gatii Bakkaa



Lakkoofsonni hundaa dijiitota lama qaban gatii bakka tokkee fi kurnaniitiin ibsamu. Gatii bakka tokkee qubee T dhaan bakka buufanna. Kan kudhanii immoo qubee K dhaan bakka buufnna.

Fakkeenya 3

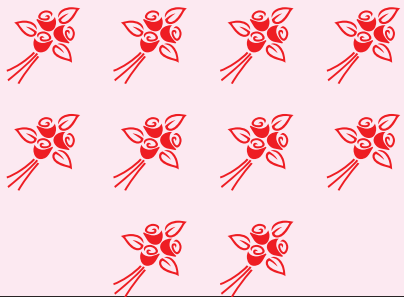
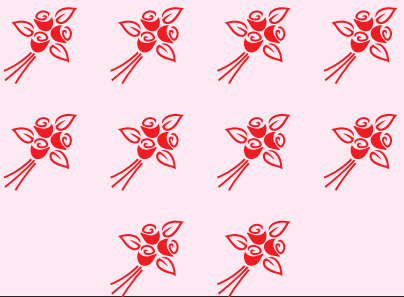
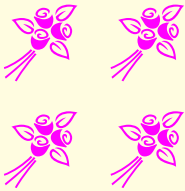
Gatii bakkaa ibsuu

42 keessatti gatiin bakka 2 tokkee yoo ta'u, gatiin bakka 4 immoo kurnani dha.

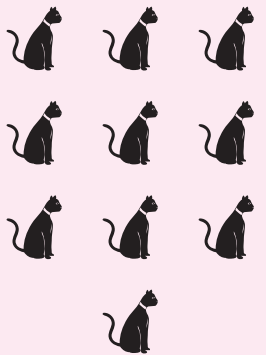
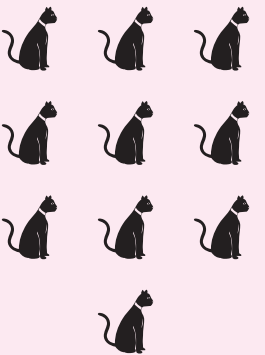
GILGAALA 1.2

Fakkiwwan armaan gadii keessa kurnan meeqaa fi tokkee meeqatu jira?

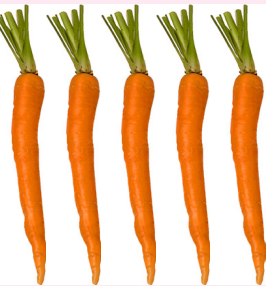
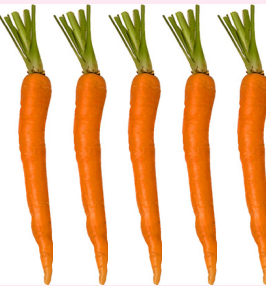
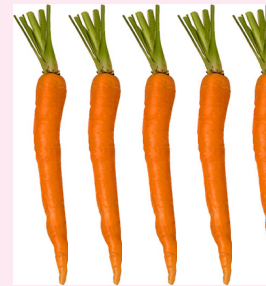
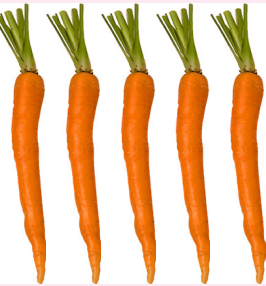
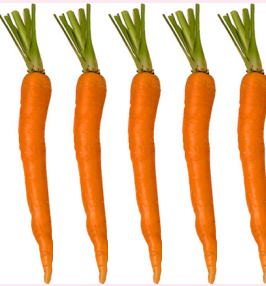
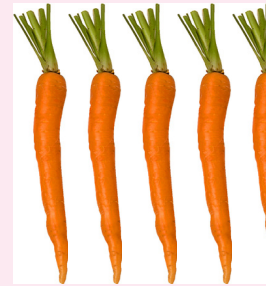
1

		
Kurnan <u>2</u>		Tokkeewwan <u>4</u>

2

			
Kurnan ____			Tokkeewwan _

3

			
			
Kurnan ____			Tokkeewwan _

4

																																																																																																																																																																																																																																																																																																																																																																																	
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GOCHA 1.2

Lakkoofsota gabatee keessatti kennamanitti fayyadamuun gaaffilee armaan gadii deebisi.

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
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

- 1 14, 23, 68 fi 88 jala sarari.
- 2 Sagalee kee ol fuudhuun lakkoofsota halluu diimaadhaan barreeffaman barsiisaa/barsiiftuu keetiif dubbisi.
- 3 Kanneen cuquliisaan barreeffaman jechaan barreessi.
- 4 Kanneen magariisaan barreeffaman jechaan barreessi.

GILGAALA 1.4

1 *Lakkoofsota armaan gadii jechaan barreessi.*

a	20	
b	30	Soddoma
c	40	
d	50	
e	60	
f	70	
g	80	
h	90	

2 *Lakkoofsota armaan gadii jechaan barreessi.*

a	15	
b	17	Kudha torba
c	24	
d	29	
e	36	
f	38	
g	43	Afurtamii sadii

3 *Kanneen armaan gadii lakkoofsaan barreessi.*

- a Soddomii sadii = _____ b Shantamii torba = _____
 c Torbaatamii tokko = _____ d Afurtamii ja'a = _____
 e Kudha lama = _____

4 Haala armaan oliitti fayyadamuun lakkoofsota 20 hamma 100tti jiran kutaa keessatti barsiisaa/ttuu keetiif dubbisi.

Hariiroo Lakkoofsota Hundaa

Lakkoofsota hundaa waliin madaalchisuun ni danda'ama. Kanaaf ammoo mallattoolee “<” irra xiqqaa, “>” irra guddaa fi “=” walqixaatti fayyadamna.

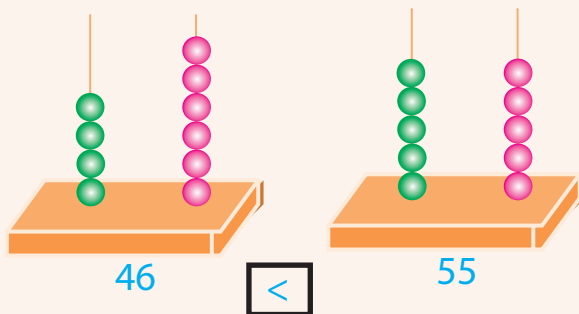
GOCHA 1.3

1 *Dabbara kee irratti xiyya lakkoofsaa hojjechuun kanneen armaan gadii walmadaalchisi.*

- a 13 fi 17 walmadaalchisi. Kamtu caala? Deebii kee mallattoolee < yookiin > fayyadamuun deebisi.
- b 34 fi 24 walmadaalchisi. Kamtu caala?
- c 76 fi 68 walmadaalchisi. Kamtu caala?

2 *Lakkoofsota kennaman abaakasiitti fayyadamuun walmadaalchisi.*

a $46 \square 55$



b $87 \square 76$

c $45 \square 63$

d $26 \square 33$

e $93 \square 88$

GOCHA 1.4

1 *Lakkoofsota armaan gadii xiqqaa irraa gara guddaatti tartiibessi.*

56 24 34 78 14 90 18

2 *Lakkoofsota armaan gadii guddaa irraa gara xiqqaatti tartiibessi.*

31 12 57 26 19 73 85

Hubadhu

Lakkoofsi dijiitota lamaa lakkoofsa dijiitii tokkoo ni caala.

Fakkeenyaaf: $24 > 9$.

⇒ Lakkoofsonni lachuu abbaa dijiitota lamaa yoo ta'an jalqaba gatii bakka kudhaniin walmadaalchisna. Lakkoofsi gatii bakka kudhaniitiin caalu guddaadha.

Fakkeenyaaf: $56 > 48$

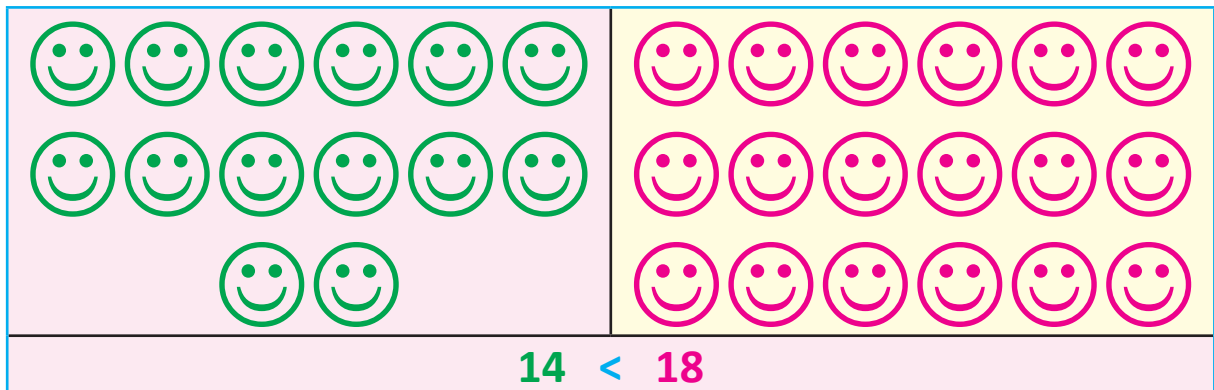
⇒ Gatiin bakka kudhanii yoo walqixa ta'an gatii bakka tokkeetiin walmadaalchisna.

Fakkeenyaaf: $87 > 83$

Fakkeenya 4

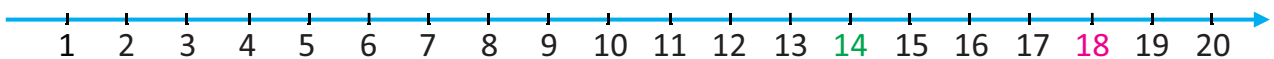
14 fi 18 fudhadhu. 14 moo 18tu caala?

Mee fakkiwwan 14 fi 18 haa fudhannu.



Kana yommuu dubbifnu “14 irra xiqqaa 18 “jenna.

Lakkoofsota kanneen waliin madaalchisuuf xiyya lakkoofsaatti fayyadamuun ni danda'ama. Mee xiyya lakkoofsaa irratti 14 fi 18 haa agarsiisnu.



14 gara bitaa 18 waan ta'eef, $14 < 18$ ta'a.

GILGAALA 1.5

1 Lakkoofsota hundaa 10 hamma 30tti jiran xiyya lakkoofsaa irratti tartiibessuun agarsiisi.

2 *Bakka duwwaa irratti “<”, yookiin “=” yookiin “>” guuti.*

- a 3 __ 4 b 8 __ 8 c 14 __ 17 d 19 __ 21
 e 26 __ 24 f 37 __ 37 g 42 __ 44 h 56 __ 58
 i 87 __ 90 j 92 __ 79

1.2 KEESSA DEEBII IDA’UU FI HIR’ISUU LAKKOOF SOTA HUNDAA HAMMA 20TTI

1.2.1 KEESSA DEEBII IDA’UU LAKKOOF SOTA HUNDAA HAMMA 20TTI

GOCHA 1.5

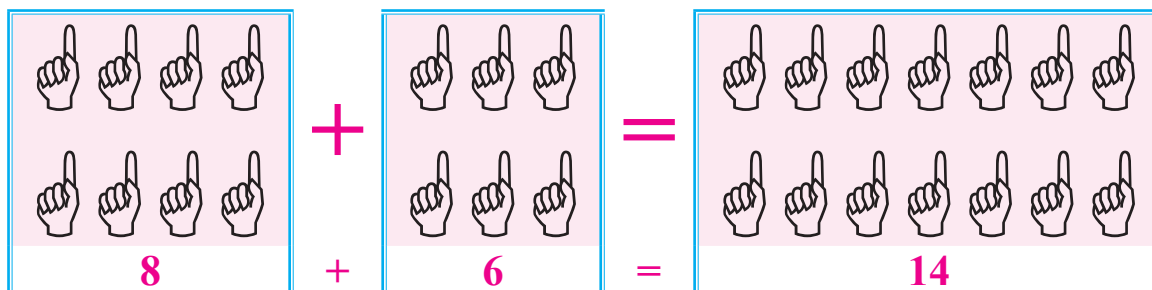
Gabatee armaan gadii dabtara kee irratti garagalchuun ida’ama isaanii guuti.

+	0	1	2	3	4	5	6	7	8	9
0										
1										
2			4							
3										
4										
5							11			
6										
7										
8										
9				12						

Fakkeenya 5

Lakkoofsota hamma 20tti ida'uu

8 + 6 haa fudhannu.



GILGAALA 1.6

Bakka duwwaa lakkoofsa himicha dhugoomsuun guuti.

- | | | | | | |
|----|---------------|---|----------------|---|----------------|
| 1 | 5 + 5 = ____ | 2 | 6 + 6 = ____ | 3 | 10 + 10 = ____ |
| 4 | 2 + ____ = 12 | 5 | 12 + ____ = 17 | 6 | 4 + ____ = 19 |
| 7 | ____ + 4 = 20 | 8 | ____ + 5 = 15 | 9 | 15 + 4 = ____ |
| 10 | 9 + 10 = ____ | | | | |

GILGAALA 1.7

Gabatee armaan gadii guuti.

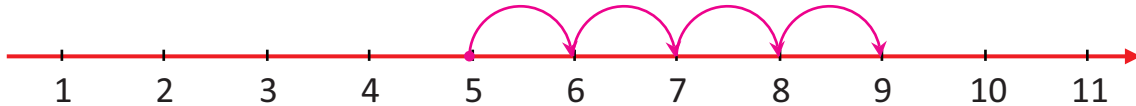
	+ 3
6	9
12	
15	18
9	
14	
8	
11	
16	
17	

Fakkeenya 6

Xiyya lakkoofsaatti fayyadamuun ida'uu

1 Xiyya lakkoofsaa irratti $5 + 4$ ida'i.

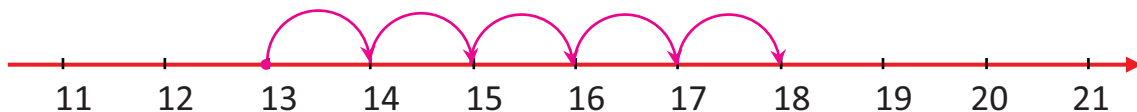
Jalqaba 5 xiyya lakkoofsaa irratti agarsiisi. Isa booda ramaddii 4 gara mirgaatti deemi. Kan irra geesse ida'ama ta'a.



Kanaafuu $5 + 4 = 9$ ta'a.

2 Xiyya lakkoofsaarratti $13 + 5$ ida'i.

Jalqaba 13 xiyya lakkoofsaa irratti agarsiisi. Isa booda ramaddii 5 gara mirgaatti deemi. Kan irra geesse ida'ama ta'a.



Kanaafuu $13 + 5 = 18$.

GILGAALA 1.8

Kanneen armaan gadii xiyya lakkoofsaatti fayyadamuun ida'i.

1 $3 + 4$

2 $5 + 6$

3 $9 + 2$

Hubadhu:

Zeeroo lakkoofsa hundaa tokko irratti yoo idaane firiin isaa lakkoofsuma sana ta'a.

Fakkeenya 7

Lakkoofsota hundaa fi zeeroo ida'uu

$4 + 0 = \underline{4}$

GILGAALA 1.9

Bakka duwwaa guuti.

1 $3 + 0 = \underline{\hspace{2cm}}$

2 $10 + 0 = \underline{\hspace{2cm}}$

3 $12 + 0 = \underline{\hspace{2cm}}$

4 $\underline{\hspace{2cm}} + 0 = 15$

5 $7 + \underline{\hspace{2cm}} = 7$

6 $9 + \underline{\hspace{2cm}} = 9$

7 $6 + 0 = \underline{\hspace{2cm}}$

8 $0 + 7 = \underline{\hspace{2cm}}$

9 $0 + 0 = \underline{\hspace{2cm}}$

10 $17 + 0 = \underline{\hspace{2cm}}$

GILGAALA 1.10

Ida'ama birkii armaan gadii guuti.

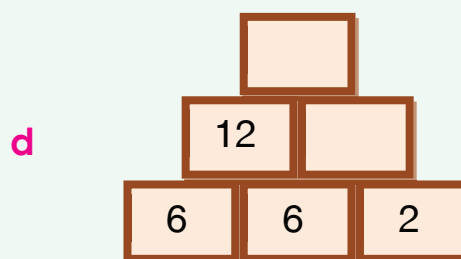
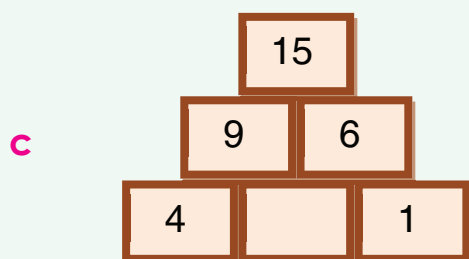
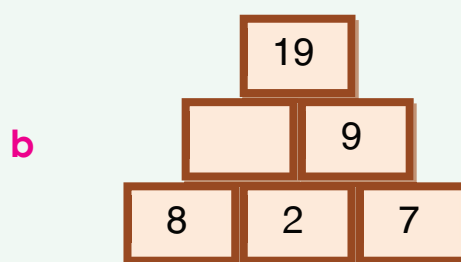
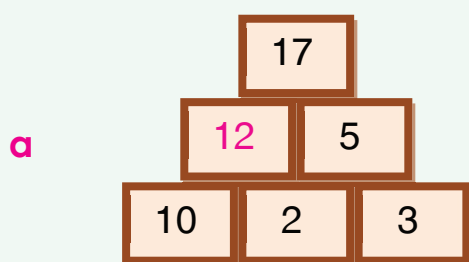
Ida'amni lakkoofsota wal cinaa kan isaanii olii ta'a.

Fakkeenyaaf:

$12 + 5 = 17$

$3 + 2 = 5$

$10 + 2 = 12$

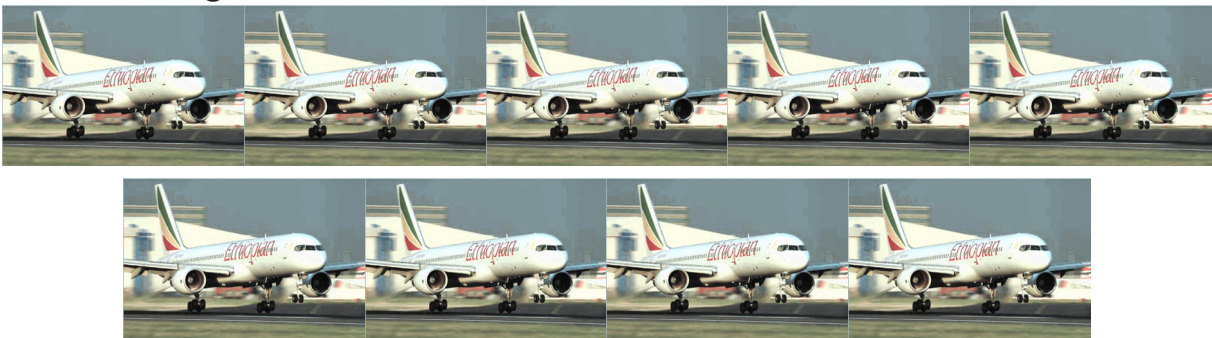


1.2.2 KEESSA DEEBII HIR'ISUU LAKKOFSOTA HUNDAA HAMMA 20TTI

GOCHA 1.6

- 1 Lakkoofsota 0 hamma 20 xiyya lakkoofsaa irraatti agarsiisi.
- 2 12 irraa jalqabuun ramaddii 5 gara duubatti deemi. Meeqa argatte?
- 3 $12 - 5 = \underline{\hspace{2cm}}$

Fakkii armaan gadii sirritti ilaali.



Xiyyaarota 9 qabna. Yoo xiyyaaronni 2 biraa ka'anii balali'an xiyyaaratii 7tu hafa.

Kunis



$$9 - 2 = 7$$

GILGAALA 1.11***Kanneen armaan gadii hir'isi.***

- | | | | | | |
|-----------|------------------------------|-----------|------------------------------|-----------|------------------------------|
| 1 | $5 - 2 = \underline{\quad}$ | 2 | $4 - 1 = \underline{\quad}$ | 3 | $9 - 5 = \underline{\quad}$ |
| 4 | $11 - 4 = \underline{\quad}$ | 5 | $15 - 9 = \underline{\quad}$ | 6 | $12 - 3 = \underline{\quad}$ |
| 7 | $15 - 7 = \underline{\quad}$ | 8 | $12 - 5 = \underline{\quad}$ | 9 | $14 - 7 = \underline{\quad}$ |
| 10 | $13 - 5 = \underline{\quad}$ | 11 | $15 - 5 = \underline{\quad}$ | 12 | $10 - 8 = \underline{\quad}$ |

Fakkeenya 8***Piroobileemii jechaa***

Tolasaan kitaaba 17 bitachuu barbaada. Kanneen keessaa 6 yoo bitate kitaabota meeqatu isa hafa?

Deebii:

$$17 - 6 = 11$$

Kitaabota 11tu isa hafa.

GILGAALA 1.12***Piroobileemota armaan gadiif deebii barbaadi.***

- 1** Obbo Roobaan ijoollee lama qabu. Isa tokkoof burtukaanota 6, isa lammaffaaf ammoo burtukaanota 8 bitani. Walumatti Obbo Roobaan burtukaanota meeqa bitani?
- 2** Gatiin saamunaa tokkoo qarshii 12, gatiin anqaaquu (buuphaa) tokkoo qarshii 1 yoo ta'e, walumatti gatiin saamunaa tokkoo fi anqaaquu tokkoo qarshii meeqa ta'a?
- 3** Faaxumaan barattuu kutaa lammaffaati. Obboleettiin ishee muuzota 10 bitteef, isheen immoo oboleessa isheetiif muuzota 4 yoo kenniteef, Faaxumaaf muuzota meeqatu hafaaf?
- 4** Obbo Tolasaan mucaa isaaniitiif dabtara qarshii 10'n qubeessaa qarshii

3'n fi sarartuu qarshii 2'n bitaniif. Walumatti Obbo Tolasaan qarshii meeqa baasan?

5 Milkiin qarshii 14 qaba ture. Qarshii 6'n yoo kitaaba bitate, qarshii meeqatu hafaaf?

6 Obbo Urgeessaan hoolota 15 qabu. Hoolota 6 yoo gurguratan 2 ammoo ilma isaaniitiif yoo kennan hoolota meeqatu hafaaf?

7 Aadam qarshii 8 qaba ture. Haati isaa qarshii 9 itti dabalaniif. Aadam qarshii 7'n dabtara yoo bitate, qarshii meeqatu hafaaf?

1.3 HAMBIFANNAA MALEE IDA'UU FI LIQEEFFANNAA MALEE HIR'ISUU

1.3.1 LAKKOOFSA DIJIIOTATA LAMAA FI KAN DIJIIITII TOKKOO HAMBIFANNAA MALEE IDA'UU

Lakkoofsota dijiitii tokkoo fi dijiitota lama qaban tooftaalee adda addaatiin walitti ida'uun ni danda'ama. Tooftaalee kanneen fakkeenya fudhachuun haa ilaallu.

Fakkeenya 9

$$\begin{aligned} 1 \quad 15 + 4 &= 10 + 5 + 4 \\ &= 10 + 9 \\ &= \underline{19} \end{aligned}$$

$$\begin{aligned} 3 \quad 26 + 2 &= 20 + 6 + 2 \\ &= 20 + 8 \\ &= \underline{28} \end{aligned}$$

$$\begin{aligned} 2 \quad 62 + 5 &= 60 + 2 + 5 \\ &= 60 + 7 \\ &= \underline{67} \end{aligned}$$

$$\begin{aligned} 4 \quad 94 + 3 &= 90 + 4 + 3 \\ &= 90 + 7 \\ &= \underline{97} \end{aligned}$$

GILGAALA 1.13

Fakkeenya armaan olii hordofuun kanneen armaan gadii ida'i.

- 1 $14 + 3 = \underline{\hspace{2cm}}$ 2 $23 + 7 = \underline{\hspace{2cm}}$ 3 $35 + 3 = \underline{\hspace{2cm}}$
 4 $48 + 1 = \underline{\hspace{2cm}}$ 5 $54 + 5 = \underline{\hspace{2cm}}$ 6 $66 + 2 = \underline{\hspace{2cm}}$
 7 $82 + 7 = \underline{\hspace{2cm}}$ 8 $94 + 3 = \underline{\hspace{2cm}}$ 9 $73 + 6 = \underline{\hspace{2cm}}$
 10 $44 + 2 = \underline{\hspace{2cm}}$

Tooftaan biraa lakkoofsota dijiitii tokkoo fi kan dijiitota lamaa ida'uuf gargaaru gatii bakkaati. Kanas fakkeenya armaan gadiitiin haa ilaallu.

Fakkeenya 10

Gatii bakkaatti fayyadamuun ida'uu

- a $15 + 2 = \underline{\hspace{2cm}}$ b $23 + 5 = \underline{\hspace{2cm}}$ c $64 + 1 = \underline{\hspace{2cm}}$

a

	+	<table style="border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">$\overline{K}$</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">$\overline{T}$</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">1</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">5</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">2</td> <td style="border: none;"></td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">1</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">7</td> </tr> </table>	$\overline{K}$	$\overline{T}$	1	5	2		1	7
$\overline{K}$	$\overline{T}$									
1	5									
2										
1	7									

b

	+	<table style="border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">$\overline{K}$</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">$\overline{T}$</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">2</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">3</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">5</td> <td style="border: none;"></td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">2</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">8</td> </tr> </table>	$\overline{K}$	$\overline{T}$	2	3	5		2	8
$\overline{K}$	$\overline{T}$									
2	3									
5										
2	8									

c

	+	<table style="border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">$\overline{K}$</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">$\overline{T}$</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">6</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">4</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">1</td> <td style="border: none;"></td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">6</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">5</td> </tr> </table>	$\overline{K}$	$\overline{T}$	6	4	1		6	5
$\overline{K}$	$\overline{T}$									
6	4									
1										
6	5									

GILGAALA 1.14

Fakkeenya armaan olii hordofuun kanneen armaan gadii ida'i.

1

	+	<table style="border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">$\overline{K}$</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">$\overline{T}$</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">1</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">7</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">2</td> <td style="border: none;"></td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">1</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">9</td> </tr> </table>	$\overline{K}$	$\overline{T}$	1	7	2		1	9
$\overline{K}$	$\overline{T}$									
1	7									
2										
1	9									

2

	+	<table style="border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">$\overline{K}$</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">$\overline{T}$</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">2</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">3</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">4</td> <td style="border: none;"></td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;"></td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;"></td> </tr> </table>	$\overline{K}$	$\overline{T}$	2	3	4			
$\overline{K}$	$\overline{T}$									
2	3									
4										

3

	+	<table style="border-collapse: collapse;"> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">$\overline{K}$</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">$\overline{T}$</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">3</td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">4</td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;">2</td> <td style="border: none;"></td> </tr> <tr> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;"></td> <td style="border: 1px solid black; padding: 2px 5px; text-align: center;"></td> </tr> </table>	$\overline{K}$	$\overline{T}$	3	4	2			
$\overline{K}$	$\overline{T}$									
3	4									
2										

4	5	6		
$ \begin{array}{ c c } \hline K & T \\ \hline + 4 & 5 \\ \hline & 1 \\ \hline \end{array} $	$ \begin{array}{ c c } \hline K & T \\ \hline + 6 & 8 \\ \hline & 1 \\ \hline \end{array} $	$ \begin{array}{ c c } \hline K & T \\ \hline + 7 & 3 \\ \hline & 5 \\ \hline \end{array} $		
$ \begin{array}{ c c } \hline \hline K & T \\ \hline + 8 & 5 \\ \hline & 2 \\ \hline \hline \end{array} $			$ \begin{array}{ c c } \hline \hline K & T \\ \hline + 9 & 2 \\ \hline & 6 \\ \hline \hline \end{array} $	$ \begin{array}{ c c } \hline \hline K & T \\ \hline \hline \hline \end{array} $

1.3.2 LAKKOOFSA DIJITOTA LAMAA IRRAA LAKKOOFSA DIJITII TOKKOO LIQEEFFANNA MALEE HIR'ISUU

Lakkoofsota dijiitota lama qaban irraa lakkoofsota dijiitii tokko qaban hir'isuuf tooftaalee adda addaatti gargaaramuu ni dandeenya.

Fakkeenya 11

a $15 - 4 = 10 + 5 - 4$

$= 10 + 1$

$= \underline{11}$

c $39 - 5 = 30 + 9 - 5$

$= 30 + 4$

$= \underline{34}$

b $28 - 7 = 20 + 8 - 7$

$= 20 + 1$

$= \underline{21}$

d $87 - 4 = 80 + 7 - 4$

$= 80 + 3$

$= \underline{83}$

GILGAALA 1.15

Fakkeenya armaan olii hordofuun kanneen armaa gadii hir'isi.

- | | | | | | |
|----|------------------------------|---|------------------------------|---|------------------------------|
| 1 | $16 - 3 = \underline{\quad}$ | 2 | $28 - 4 = \underline{\quad}$ | 3 | $35 - 1 = \underline{\quad}$ |
| 4 | $49 - 2 = \underline{\quad}$ | 5 | $57 - 5 = \underline{\quad}$ | 6 | $64 - 3 = \underline{\quad}$ |
| 7 | $76 - 4 = \underline{\quad}$ | 8 | $88 - 6 = \underline{\quad}$ | 9 | $97 - 5 = \underline{\quad}$ |
| 10 | $66 - 5 = \underline{\quad}$ | | | | |

Lakkoofsota dijiitota lama qaban irraa lakkoofsota dijiitii tokko qaban hir'isuuf gatii bakkaatti gargaaramuus ni dandeenya.

Fakkeenya 12

Gatii bakkaatti fayyadamuun hir'isuu

- a Hir'isi: $36 - 4 = \underline{\quad}$.

K	T
3	6
	4
3	2

Jalqaba 6 irraa 4 hir'isi. 2 argatta. 2 mana tokkee keessatti barreessi.

Itti aansuun 3 mana kudhanii keessatti barreessi. Kana booda, $36 - 4 = 32$ argatta.



- b Hir'isi: $76 - 5 = \underline{\quad}$

K	T
7	6
	5
7	1

Jalqaba 6 irraa 5 hir'isi. 1 argatta. 1 mana tokkee keessatti barreessi.

Itti aansuun 7 mana kudhanii keessatti barreessi. Kana booda, $76 - 5 = 71$ argatta.



GILGAALA 1.16

Fakkeenya armaan olii hordofuun kanneen armaan gadii hir'isi.

1	$\begin{array}{ c c } \hline K & T \\ \hline - & 17 \\ \hline & 4 \\ \hline \end{array}$	2	$\begin{array}{ c c } \hline K & T \\ \hline - & 26 \\ \hline & 3 \\ \hline \end{array}$	3	$\begin{array}{ c c } \hline K & T \\ \hline - & 36 \\ \hline & 4 \\ \hline \end{array}$
4	$\begin{array}{ c c } \hline K & T \\ \hline - & 45 \\ \hline & 2 \\ \hline \end{array}$	5	$\begin{array}{ c c } \hline K & T \\ \hline - & 58 \\ \hline & 5 \\ \hline \end{array}$	6	$\begin{array}{ c c } \hline K & T \\ \hline - & 65 \\ \hline & 4 \\ \hline \end{array}$
7	$\begin{array}{ c c } \hline K & T \\ \hline - & 79 \\ \hline & 5 \\ \hline \end{array}$	8	$\begin{array}{ c c } \hline K & T \\ \hline - & 87 \\ \hline & 3 \\ \hline \end{array}$	9	$\begin{array}{ c c } \hline K & T \\ \hline - & 96 \\ \hline & 1 \\ \hline \end{array}$

Fakkeenya 13

Hir'isuu ida'uudhaan mirkaneeffachuun ni danda'ama

- a $19 - 2 = 17$ akkasumas $17 + 2 = 19$
- b $29 - 1 = 28$ akkasumas $28 + 1 = 29$
- c $25 - 4 = 21$ akkasumas $21 + 4 = 25$

GILGAALA 1.17*Kanneen armaan gadiif hima wal qixaa hir'isuu barreessi.*

1 $16 + 2 = 18$ akkasumas $18 - 2 = 16$.

2 $38 + 1 = 39$ akkasumas _____

3 $64 + 2 = 66$ akkasumas _____

4 $74 + 5 = 79$ akkasumas _____

5 $92 + 6 = 98$ akkasumas _____

Fakkeenya 14*Dhugaa armaan gadii shaakali*

a $14 - 6 = 8$ waan ta'eef $14 - 8 = 6$

b $12 - 9 = 3$ waan ta'eef $12 - 3 = 9$

GILGAALA 1.18*Kanneen armaan gadii haala armaan oliitiin hojjadhu.*

1 $18 - 4 = 14$ waan ta'eef $18 - 14 =$ _____

2 $16 - 7 = 9$ waan ta'eef $16 - 9 =$ _____

3 $11 - 5 = 6$ waan ta'eef $11 - 6 =$ _____

4 $21 - 12 = 9$ waan ta'eef $21 - 9 =$ _____

5 $24 - 13 = 11$ waan ta'eef $24 - 11 =$ _____

GILGAALA 1.19*Pirobileemota armaan gadiif deebii barbaadi.*

1 Obbo Tulluun bara darbe biqiltuu ejersaa 24 dhaabanii turan. Bara kana ammoo biqiltuu ejersaa 5 dhaaban. Walitti Obbo Tulluun biqiltuu meeqa dhaaban?

2 Aadde Dammeen re'oota 36 qabu. Re'een isaanii tokko ilmoolee 2 yoo dhalte, walitti re'oota meeqa godhatan?

- 3 Caalaan qarshii 46 qaba. Qarshii 5'n yoo dabtara bite, qarshii meeqatu hafaaf?
- 4 Taliileen burtukaanota 18 qabdi. Burtukaanota 3 yoo nyaattee fi burtukaanota 2 immoo obboleettii isheef yoo kennite, burtukaanota meeqatuu hafaaf?
- 5 Obbo Baalchaan qarshii 85'n qubeessaa fi qarshii 4'n immoo muuzii bitatan. Walumatti obbo Balchaan qarshii meeqa baasan?

1.4 LAKKOOF SOTA DIJIITII LAMAA IRRATTI KAN DIJIITII TOKKOO IDA'UU FI KAN DIJIITII LAMAA IRRAA KAN DIJIITII TOKKOO HIR'ISUU

1.4.1 LAKKOOF SOTA DIJIITII LAMAA IRRAATTI KAN DIJIITII TOKKOO HAMBIFANNAAN IDA'UU

Lakkoofsota dijiitii tokkoo fi kan dijiitota lamaa hambifannaan ida'uuf haala fakkeenya armaan gadii hordofuun ni danda'ama.

Fakkeenya 15

Ida'i

$$\text{a} \quad 29 + 7 = 20 + 9 + 7$$

$$= 20 + 16$$

$$= 20 + 10 + 6$$

$$= 30 + 6$$

$$= \underline{\underline{36}}$$

$$\text{c} \quad 76 + 8 = 70 + 6 + 8$$

$$= 70 + 14$$

$$= 70 + 10 + 4 = \underline{\underline{84}}$$

$$\text{b} \quad 45 + 8 = 40 + 5 + 8$$

$$= 40 + 13$$

$$= 40 + 10 + 3$$

$$= 50 + 3$$

$$= \underline{\underline{53}}$$

$$\text{d} \quad 54 + 6 = 50 + 4 + 6$$

$$= 50 + 10$$

$$= \underline{\underline{60}}$$

GILGAALA 1.20

Fakkeenya armaan olii hordofuun kanneen armaan gadii ida'i.

- 1 $13 + 8 = \underline{\quad}$ 2 $23 + 7 = \underline{\quad}$ 3 $36 + 7 = \underline{\quad}$
 4 $48 + 6 = \underline{\quad}$ 5 $56 + 8 = \underline{\quad}$ 6 $67 + 9 = \underline{\quad}$
 7 $76 + 6 = \underline{\quad}$ 8 $87 + 8 = \underline{\quad}$ 9 $88 + 9 = \underline{\quad}$
 10 $64 + 7 = \underline{\quad}$

Lakkoofsota dijiitota lamaa fi lakkoofsa dijiitii tokkoo walitti ida'uuf gatii bakkaatti gargaaramuu ni dandeenya.

Fakkeenya 16

a $36 + 7 = \underline{\quad}$

1 ^{ffaa} : Dura 6 fi 7 walitti idaana, $6 + 7 = 13$.	K	T	Hambifannaa 36 + 7 <u>43</u>
2 ^{ffaa} : 13 keessa kurna 1 fi tokkee 3tu jiru. Kanaaf gatii bakkaa tokkee keessatti 3 barreessinee, 1 gara mana kudhaniitti fudhannee idaana. Kunis $1 + 3 = 4$.	1		
	3	6	
	+	7	
3 ^{ffaa} : Kanaafuu kurnan 4 fi tokkee 3 qabna.	<u>4</u>	<u>3</u>	

b Ida'i: $28 + 2 = \underline{\quad}$

K	T	Hambifannaa 28 + 2 <u>30</u>
1		
2	8	
+	2	
<u>3</u>	<u>0</u>	

c $67 + 7$

Jalqaba gatii tokkee ida'i.

$$7 + 7 = 14$$

= Kudhan 1 + Tokkeewwan 4

Kurnan Tokkee

1

$$\begin{array}{r} 6 \quad 7 \\ + \quad 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \quad 7 \\ + \quad 7 \\ \hline 7 \quad 4 \end{array}$$

$$\begin{array}{r} 7 \quad 4 \\ \hline \end{array}$$

Gatii bakkaa kudhanii ida'i.

$$= 1 + 6 = \text{Kurnan } 7$$

GILGAALA 1.21

Kanneen armaan gadii ida'i.

a	$\begin{array}{r} \overline{K} \quad \overline{T} \\ + 1 \quad 5 \\ \hline \end{array}$	b	$\begin{array}{r} \overline{K} \quad \overline{T} \\ + 2 \quad 5 \\ \hline \end{array}$	c	$\begin{array}{r} \overline{K} \quad \overline{T} \\ + 3 \quad 6 \\ \hline \end{array}$
d	$\begin{array}{r} \overline{K} \quad \overline{T} \\ + 4 \quad 6 \\ \hline \end{array}$	e	$\begin{array}{r} \overline{K} \quad \overline{T} \\ + 6 \quad 7 \\ \hline \end{array}$	f	$\begin{array}{r} \overline{K} \quad \overline{T} \\ + 7 \quad 8 \\ \hline \end{array}$
g	$\begin{array}{r} \overline{K} \quad \overline{T} \\ + 8 \quad 5 \\ \hline \end{array}$	h	$\begin{array}{r} \overline{K} \quad \overline{T} \\ + 8 \quad 6 \\ \hline \end{array}$		

1.4.2 LAKKOOF SOTA DIJITII TOKKOO LAKKOOF SOTA DIJITII LAMAA IRRAA LIQEEFFANNAAN HIR'ISUU

Fakkeenya 17

a $24 - 6$

As irratti yoo gatii bakkaatiin hir'isinne $4 - 6$ jechuu ta'a. Kun ammo hin danda'amu. Mee cirracha 4 qabda haa jennu. Kanarraa cirracha 6 fuudhi. Meeqatu siif hafa? Gareedhaan irratti mari'adhu. Hin danda'amu yoo jettan sirriidha. Kanaafuu haala armaan gadiiti fayyadamna.

$$24 - 6 = 10 + 10 + 4 - 6$$

$$= 10 + 14 - 6 \text{ (Kudhan 1 fi tokkeen 4, tokkee 14 ta'a)}$$

$$= 10 + 8 = \underline{18}$$

b $96 - 8 = 90 + 6 - 8$

$$= 80 + 10 + 6 - 8$$

$$= 80 + 16 - 8$$

$$= 80 + 8 = \underline{88}$$

GILGAALA 1.22

Fakkeenya armaan olii hordofuun bakka duwwaa guuti.

1 $28 - 9 = \underline{\quad}$ **2** $26 - 8 = \underline{\quad}$ **3** $36 - 7 = \underline{\quad}$

4 $32 - 6 = \underline{\quad}$ **5** $43 - 5 = \underline{\quad}$ **6** $50 - 9 = \underline{\quad}$

7 $54 - 7 = \underline{\quad}$ **8** $62 - 5 = \underline{\quad}$ **9** $68 - 9 = \underline{\quad}$

10 $72 - 8 = \underline{\quad}$ **11** $73 - 5 = \underline{\quad}$ **12** $80 - 8 = \underline{\quad}$

13 $84 - 9 = \underline{\quad}$ **14** $93 - 5 = \underline{\quad}$ **15** $93 - 8 = \underline{\quad}$

16 $34 - 9 = \underline{\quad}$

Gatii bakkaatti fayyadamuun hir'isuunis ni danda'ama.

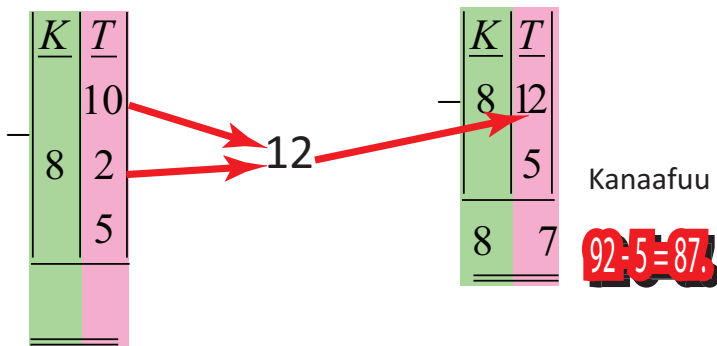
Fakkeenya 18

a	$\begin{array}{r l} K & T \\ \hline 9 & 2 \\ & 5 \end{array}$	$\begin{array}{r l} T \\ \hline 2 \\ & 5 \end{array}$	2 irraa 5 hir'isuun hindanda'amu. Kunis 5 irra guddaa 2 waan ta'eef. Kanaafuu, kurnan 9 gara kurnan 8 fi tokkeewwan 10tti jijjiirra. Tokkee $10 + 2 =$ tokkee 12 Tokkee $12 -$ tokkee 5 = tokkee 7 mana tokkeetti barreessi. 8 immoo mana kudhaniitti barreessi.
---	---	---	--

Kurna 1 tokkee 10 ta'uusaa hubadhu. Kanaafuu akka armaan gadiitti taa'a.



Amma 10 fi 2 walitti ida'uun 12 barreessi.



b Hir'isi: $67 - 9 = \underline{\hspace{2cm}}$

Jalqaba gatii tokkee ilaali.

$7 < 9$. Kanaafuu 7 irraa 9 hir'isuun hindanda'amu. Gatii kudhanii irraa 1 liqeeffadhu.

$67 =$ Kurnan 5 + tokkeewwan 17 ta'a.

$17 - 9 =$ Tokkeewwan 8

8 mana tokkee keessatti barreessi.

Kurnan Tokkee

5 17

6 7

— 9

5 8

↑ ↑

Itti aansuun 5 mana kurnaniitti barreessi.

GILGAALA 1.23

Kanneen armaan gadii hir'isi.

1
$$\begin{array}{r|l} K & T \\ - & 2 \quad 4 \\ \hline & 6 \end{array}$$

2

$$\begin{array}{r|l} K & T \\ - & 2 \quad 2 \\ \hline & 8 \end{array}$$

3

$$\begin{array}{r|l} K & T \\ - & 3 \quad 0 \\ \hline & 2 \end{array}$$

4
$$\begin{array}{r|l} K & T \\ - & 3 \quad 1 \\ \hline & 4 \end{array}$$

5

$$\begin{array}{r|l} K & T \\ - & 4 \quad 2 \\ \hline & 8 \end{array}$$

6

$$\begin{array}{r|l} K & T \\ - & 4 \quad 0 \\ \hline & 5 \end{array}$$

7

$$\begin{array}{r|l} \underline{K} & \underline{T} \\ - & 5 \quad 2 \\ & 6 \end{array}$$

8

$$\begin{array}{r|l} \underline{K} & \underline{T} \\ - & 6 \quad 1 \\ & 3 \end{array}$$

9

$$\begin{array}{r|l} \underline{K} & \underline{T} \\ - & 7 \quad 2 \\ & 8 \end{array}$$

10

$$\begin{array}{r|l} \underline{K} & \underline{T} \\ - & 7 \quad 6 \\ & 6 \end{array}$$

11

$$\begin{array}{r|l} \underline{K} & \underline{T} \\ - & 6 \quad 0 \\ & 8 \end{array}$$

12

$$\begin{array}{r|l} \underline{K} & \underline{T} \\ - & 8 \quad 3 \\ & 4 \end{array}$$

13

$$\begin{array}{r|l} \underline{K} & \underline{T} \\ - & 9 \quad 5 \\ & 6 \end{array}$$

14

$$\begin{array}{r|l} \underline{K} & \underline{T} \\ - & 9 \quad 0 \\ & 6 \end{array}$$

15

$$\begin{array}{r|l} \underline{K} & \underline{T} \\ - & 8 \quad 6 \\ & 7 \end{array}$$

16

$$\begin{array}{r|l} \underline{K} & \underline{T} \\ - & 6 \quad 2 \\ & 6 \end{array}$$

1.5 LAKKOOF SOTA DIJIITOTA LAMAA HAMBIFANNAA MALEE IDA'UU FI LIQEEFFANNAA MALEE HIR'ISUU

1.5.1 LAKKOOF SOTA DIJIITOTA LAMAA HAMBIFANNAA MALEE IDA'UU

Fakkeenya 19

$$\begin{aligned} \text{a} \quad 42 + 26 &= 40 + 2 + 20 + 6 \\ &= 40 + 20 + 2 + 6 \\ &= 60 + 8 \\ &= \underline{68} \end{aligned}$$

$$\begin{aligned} \text{b} \quad 34 + 63 &= 30 + 4 + 60 + 3 \\ &= 30 + 60 + 4 + 3 \\ &= 90 + 7 \\ &= \underline{97} \end{aligned}$$

GILGAALA 1.24

Fakkeenya armaan olii hordofuun kanneen armaan gadii ida'i.

- | | | | |
|---|---|----|---|
| 1 | $25 + 34 = \underline{\hspace{2cm}}$ | 2 | $33 + 24 + 41 = \underline{\hspace{2cm}}$ |
| 3 | $81 + 15 = \underline{\hspace{2cm}}$ | 4 | $72 + 24 = \underline{\hspace{2cm}}$ |
| 5 | $43 + 56 = \underline{\hspace{2cm}}$ | 6 | $45 + 54 = \underline{\hspace{2cm}}$ |
| 7 | $50 + 49 = \underline{\hspace{2cm}}$ | 8 | $38 + 41 + 10 = \underline{\hspace{2cm}}$ |
| 9 | $14 + 13 + 22 = \underline{\hspace{2cm}}$ | 10 | $83 + 16 = \underline{\hspace{2cm}}$ |

Yaadrimee gatii bakkaa lakkoofsotaatti fayyadamuun, lakkoofsota dijiitota lamaa ida'uunis ni danda'ama.

Fakkeenya 20

- 1 Ida'i: $35 + 24 = \underline{\hspace{2cm}}$

$$\begin{array}{r}
 \begin{array}{|c|c|} \hline K & T \\ \hline 3 & 5 \\ \hline 2 & 4 \\ \hline \end{array} \\
 + \\
 \hline
 5 \quad 9 \\
 \hline \hline
 \end{array}$$

Dursa tokkeewwan walitti ida'i.

$$5 + 4 = 9.$$

Itti aansuun kurnan walitti ida'i.

$$3 + 2 = 5.$$

Kanaafuu,

$$35 + 24 = 59$$

2 Ida'i: $21 + 46 =$ _____

$$\begin{array}{r}
 \begin{array}{|c|c|} \hline K & T \\ \hline 2 & 1 \\ \hline 4 & 6 \\ \hline \end{array} \\
 + \\
 \hline
 6 \quad 7 \\
 \hline \hline
 \end{array}$$

Dursa tokkeewwan walitti ida'i.

$$1 + 6 = 7$$

Itti aansuun kurnan walitti ida'i.

$$2 + 4 = 6$$

Kanaafuu,

$$21 + 46 = 67$$

GILGAALA 1.25

Kanneen armaan gadii ida'i.

1

$$\begin{array}{r}
 45 \\
 +33 \\
 \hline \\
 \hline
 \end{array}$$

2

$$\begin{array}{r}
 53 \\
 +26 \\
 \hline \\
 \hline
 \end{array}$$

3

$$\begin{array}{r}
 38 \\
 +41 \\
 \hline \\
 \hline
 \end{array}$$

4

$$\begin{array}{r}
 43 \\
 +56 \\
 \hline \\
 \hline
 \end{array}$$

5

$$\begin{array}{r}
 84 \\
 +13 \\
 \hline \\
 \hline
 \end{array}$$

6

$$\begin{array}{r}
 63 \\
 +15 \\
 \hline \\
 \hline
 \end{array}$$

	72		68		80
7	<u>+25</u>	8	<u>+11</u>	9	<u>+10</u>
	==		==		==
	25		75		38
10	<u>+14</u>	11	<u>+21</u>	12	<u>+41</u>
	==		==		==

1.5.2 LIQEEFFANNAA MALEE LAKKOOFSA DIIJITOTA LAMAA WALIRRAA HIR'ISUU

Lakkoofsota dijiitota lamaa walirraa hir'isuuf gatii bakkaatti gargaaramna. Tooftaa kana shaakaluuf fakkeenya armaan gadii sirriitti ilaali.

Fakkeenya 21

Gatii bakkaatti gargaaramuun hir'isuu

a Hir'isi: $46 - 32 =$ _____

	<u>K</u>	<u>T</u>
—	4	6
	3	2
	<u>1</u>	<u>4</u>

Tokkeewwan walirraa hir'isi.

$$6 - 2 = 4.$$

Kurnan walirraa hir'isi.

$$4 - 3 = 1.$$

Kanaafuu

$$46 - 32 = 14$$

b Hir'isi: $87 - 43 =$ _____

<i>K</i>	<i>T</i>
8	7
4	3
4	4

Tokkeewwan walirraa hir'isi.

$$7 - 3 = 4.$$

Kurnan walirraa hir'isi.

$$8 - 4 = 4.$$

Kanaafuu

$$87 - 43 = 44$$

GILGAALA 1.26

Kanneen armaan gadii hir'isi.

	25		36		43
1	<u>-14</u>	2	<u>-24</u>	3	<u>-32</u>
	=====		=====		=====
	58		49		63
4	<u>-23</u>	5	<u>-13</u>	6	<u>-42</u>
	=====		=====		=====
	68		76		73
7	<u>-55</u>	8	<u>-56</u>	9	<u>-12</u>
	=====		=====		=====

	83		86		45
10	<u>-72</u>	11	<u>-63</u>	12	<u>-14</u>
	=====		=====		=====
	95		97		75
13	<u>-14</u>	14	<u>-14</u>	15	<u>-14</u>
	=====		=====		=====

GILGAALA 1.27

Pirobileemota jechaa armaan gadii furi.

- 1 Aadde Toltuun biqiltuu 63 dhaabani. Ilmi isaanii immoo biqiltuu 35 dhaabe. Walumatti Aadde Toltuu fi ilmi isaanii biqiltuu meeqa dhaabani?
- 2 Obbo Caalaan ji'a ji'aan qarshii qusatu. Hammi isaan qusatan gabatee armaan gadii irrati ibsameera.

Ji'a	Baay'ina Qarshii Qusatamee
Fulbaana	23
Onkoloolessa	21
Sadaasa	27
Mudde	35

- a Obbo Caalaan ji'a kam qarshii baayyee kaawwatan?
- b Ji'a kam qarshii xiqqoo kaawwatan?
- c Ida'amni qarshii Obbo Caalaan ji'oota Fulbaanaa, Onkoloolessaa fi Mudde keessatti kaawwatan qarshii meeqa?
- d Qarshiin Obbo Caalaan ji'a Sadaasaa kaawwatan kan Ji'a Fulbaanaa kaawwatan meeqaan caala?

- e Qarshiin Obbo Caalaan ji'a Muddee kaawwatan kan ji'a Onkoloolessaa kaawwatan meeqaan caala?
- 3 Kadiir re'oota 46 qaba ture. Re'oota 12 yoo gurgurate, re'oota meeqatu hafaaf?
- 4 Roobaleen qarshii 62 qaba. Abbaan isaa qarshii 36 yoo dabalaniif, Roobaleen qarshii meeqa godhata?
- 5 Foziyaan burtukaanota 36 qabdi. Burtukaanota 22 yoo gurguratte, burtukaanota meeqatu hafaaf?

1.6 LAKKOOF SOTA DIJIITOTA LAMA LAMAA HAMBIFANNAAN IDA'UU FI LIQEEFFANNAAN HIR'ISUU

1.6.1 LAKKOOF SOTA DIJIITOTA LAMA LAMAA HAMBIFANNAAN IDA'UU

Amma ammatti lakkoofsota dijiitota lama lama qaban hambifannaa malee ida'uu shaakaltee jirta. Amma immoo hambifannaa waliin ida'uu baratta.

Fakkeenya 22

$$\begin{aligned}
 \text{a} \quad 17 + 26 &= 10 + 7 + 20 + 6 \\
 &= 10 + 20 + 7 + 6 \\
 &= 10 + 20 + 13 \\
 &= 10 + 20 + 10 + 3 \\
 &= 40 + 3 \\
 &= \underline{\underline{43}}
 \end{aligned}$$

$$\begin{aligned}
 \text{b} \quad 78 + 15 &= 70 + 8 + 10 + 5 \\
 &= 70 + 10 + 8 + 5 \\
 &= 70 + 10 + 13 \\
 &= 70 + 10 + 10 + 3 \\
 &= 90 + 3 \\
 &= \underline{\underline{93}}
 \end{aligned}$$

GILGAALA 1.28

Haala fakkeenya armaan oliitiin ida'i.

1 $16 + 27 = \underline{\hspace{2cm}}$

2 $47 + 36 = \underline{\hspace{2cm}}$

3 $56 + 34 = \underline{\hspace{2cm}}$

4 $77 + 14 = \underline{\hspace{2cm}}$

5 $63 + 19 = \underline{\hspace{2cm}}$

6 $76 + 15 = \underline{\hspace{2cm}}$

7 $26 + 28 + 17 = \underline{\hspace{2cm}}$

8 $15 + 19 + 29 = \underline{\hspace{2cm}}$

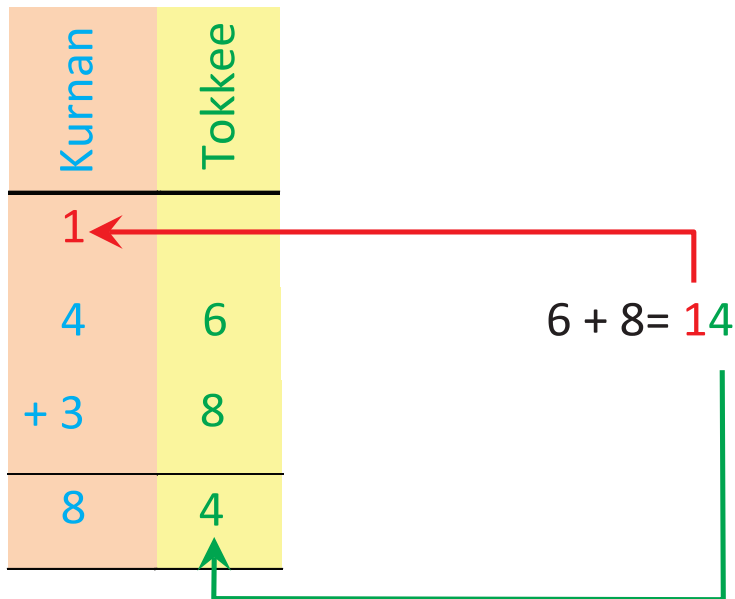
9 $65 + 17 = \underline{\hspace{2cm}}$

10 $42 + 38 = \underline{\hspace{2cm}}$

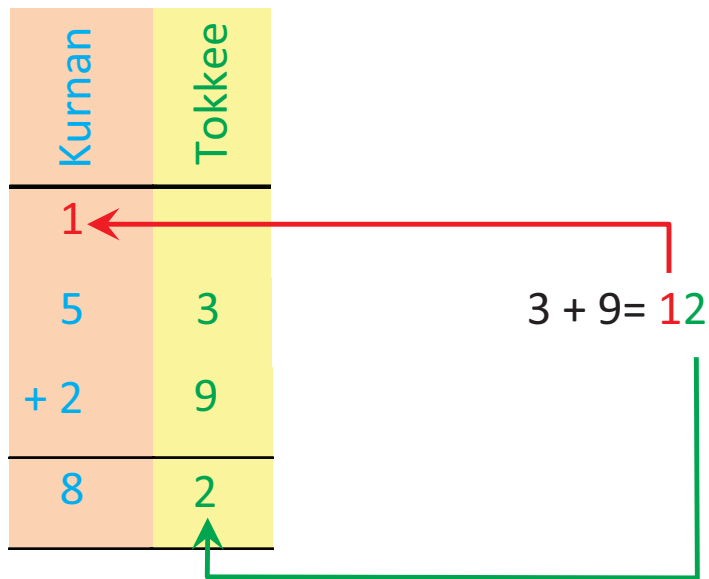
Yaadrimee gatii bakkaatti fayyadamuunis lakkoofsota dijiitota lama lama qaban walitti ida'uun ni danda'ama.

Fakkeenya 23*Gatii bakkaatti gargaaramuun ida'uu*

a $46 + 38 = \underline{\hspace{2cm}}$



b $53 + 29 = \underline{\hspace{2cm}}$



GILGAALA 1.29

Kanneen armaan gadii ida'i.

1	$\begin{array}{r} 46 \\ +17 \\ \hline \\ \hline \end{array}$	2	$\begin{array}{r} 65 \\ +28 \\ \hline \\ \hline \end{array}$	3	$\begin{array}{r} 69 \\ +28 \\ \hline \\ \hline \end{array}$
4	$\begin{array}{r} 73 \\ +19 \\ \hline \\ \hline \end{array}$	5	$\begin{array}{r} 27 \\ +23 \\ \hline \\ \hline \end{array}$	6	$\begin{array}{r} 67 \\ +13 \\ \hline \\ \hline \end{array}$
7	$\begin{array}{r} 56 \\ +27 \\ \hline \\ \hline \end{array}$	8	$\begin{array}{r} 58 \\ +27 \\ \hline \\ \hline \end{array}$	9	$\begin{array}{r} 37 \\ +29 \\ \hline \\ \hline \end{array}$

1.6.2 LAKKOOFSOTA DIJIITOTA LAMA LAMA QABAN LIQEEFFANNAAN HIR'ISUU

Lakkoofsota dijiitota lama lama qaban liqeeffannaan walirraa hir'isuuf tooftaa armaan gadiitti fayyadamna.

Fakkeenya 24

Gatii bakkaatti gargaaramuun hir'isi.

a $94 - 77 = \underline{\hspace{2cm}}$

Jalqaba gatii tokkee ilaali.

$4 < 7$. Kanaafuu 4 irraa 7 hir'isuun hindanda'amu.

- 1 Gatii kudhanii irraa 1 liqeeffadhu.
- 2 $94 =$ Kurnan 8 + tokkeewwan 14 ta'a.
- 3 $14 - 7 =$ Tokkeewwan 7
- 4 7 gatii bakkaa tokkee keessatti barreessi.

Kurnan Tokkee

8 14

~~8~~ ~~14~~

$- \begin{array}{r} 7 \\ 7 \end{array}$

$\begin{array}{r} 1 \\ 7 \end{array}$

Itti aansuun $8 - 7 = 1$ gatii bakkaa kurnaniitti barreessi.

b $43 - 29 = \underline{\hspace{2cm}}$

$$\begin{array}{r} 43 \\ -29 \\ \hline 14 \end{array}$$

Kurna 1 gara tokkeewwan 10tti dabarfanna.

$$3 + 10 = 13$$

$13 - 9 = 4$. Kanaafuu tokkeewwan 4 arganna. Kudhan 1 waan liqeeffanneef, kurnan 3tu nuuf hafa. $3 - 2 = 1$. Mana kurnaatti barreessina.

GILGAALA 1.30

Kanneen armaan gadii hir'isi.

1	$\begin{array}{r} 93 \\ - 89 \\ \hline \end{array}$	2	$\begin{array}{r} 31 \\ - 24 \\ \hline \end{array}$	3	$\begin{array}{r} 85 \\ - 38 \\ \hline \end{array}$
	$=$		$=$		$=$
4	$\begin{array}{r} 30 \\ - 21 \\ \hline \end{array}$	5	$\begin{array}{r} 21 \\ - 17 \\ \hline \end{array}$	6	$\begin{array}{r} 77 \\ - 69 \\ \hline \end{array}$
	$=$		$=$		$=$
7	$\begin{array}{r} 52 \\ - 36 \\ \hline \end{array}$	8	$\begin{array}{r} 92 \\ - 34 \\ \hline \end{array}$		
	$=$		$=$		

Lakkoofsota lama walirraa hir'isitee sirrii ta'uu kee hir'isaa fi caalmaa ida'uudhaan mirkaneeffadhu. Kanaaf immoo fakkeenya armaan gadii sirritti ilaali.

Fakkeenya 25

- a $94 - 37 = 57$, sababni isaa $57 + 37 = 94$
- b $27 - 18 = 9$, sababni isaa $9 + 18 = 27$
- c $65 - 38 = 27$, sababni isaa $27 + 38 = 65$

GILGAALA 1.31

Bakka duwwaa armaan gadii guuti.

- 1 $53 - \underline{\quad} = 36$ sababni isaa $\underline{\quad} + 36 = 53$
- 2 $42 - \underline{\quad} = 26$ sababni isaa $\underline{\quad} + 26 = 42$
- 3 $75 - \underline{\quad} = 49$ sababni isaa $\underline{\quad} + 49 = 75$

4 $36 - \underline{\hspace{1cm}} = 17$ sababni isaa $\underline{\hspace{1cm}} + 17 = 36$

5 $94 - \underline{\hspace{1cm}} = 18$ sababni isaa $\underline{\hspace{1cm}} + 18 = 94$

6 $41 - \underline{\hspace{1cm}} = 23$ sababni isaa $\underline{\hspace{1cm}} + 23 = 41$

1.7 PIROBLEEMOTA JECHAA IDA'UU FI HIR'ISUU HAMMA 100TTI OF KEESSAA QABAN

Pirobileemonni hir'isuu deebii hinqabne jiru. Kanaaf immoo fakkeenya armaan gadii ilaali.

Fakkeenya 26

- a Hawwiin qarshii 18 qabdi. Qarshii 22'n lukkuu yoo bitatte, qarshii meeqatu hafaaf?

Deebii

Hir'isuun kun furmaata hinqabu. Kunis qarshii 18 irraa qarshii 22 hir'isuun waan hindanda'amneef.

b $27 - 36 = \underline{\hspace{2cm}}$

Deebii:

Pirobileemiin kunis lakkoofsota hundaa keessatti furmaata hinqabu.

GILGAALA 1.32

Pirobileemota armaan gadiif deebii barbaadi.

- 1 Obbo Mohaammad daldaluuf burtukaanota 76 bitan. Kana keessaa burtukaanota 28 yoo gurguratan, burtukaanota meeqatu hafaaf?
- 2 Aadde Leenseen re'ee qarshii 75ttii fi lukkuu qarshii 20tti gurguratan. Walitti qarshii meeqatti gurguratan?

3 *Gabateen armaan gadii baay'ina barattoota mana barumsa sadarkaa tokkoffaa tokkoo mul'isa.*

Kutaa	Baay'ina Barattootaa
1 ^{ffaa}	45
2 ^{ffaa}	37
3 ^{ffaa}	43
4 ^{ffaa}	39

- a** Baay'inni barattoota kutaa 1^{ffaa} fi 2^{ffaa} walitti meeqa?
 - b** Baay'inni barattoota kutaa 1^{ffaa} kan kutaa 4^{ffaa} meeqaan caala?
 - c** Ida'amni barattoota kutaa 2^{ffaa} fi 3^{ffaa} meeqa?
 - d** Baay'inni barattoota kutaa 3^{ffaa} kan kutaa 2^{ffaa} meeqaan caala?
- 4** Abdallaan qarshii 36 qaba. Qarshii 17 abbaasaa fi qarshii 16 obboleessi isaa dabalaniifii jiru. Walitti Abdallaan qarshii meeqa qaba?

5 *Najaat, Dureettiinii fi Boontuun biqiltoota baay'inni isaa gabatee armaan gadii irratti kenname dhaabani.*

Maqaa	Baay'ina Biqiltootaa
Boontuu	38
Najaat	47
Dureettii	29

- a** Biqiltoonni Boontuu fi Najaat dhaaban meeqa?
- b** Biqiltoonni Boontuu fi Dureettiin dhaaban walitti meeqa?
- c** Biqiltoonni Najaat fi Dureettiin dhaaban walitti meeqa?
- d** Biqiltoonni Najaat dhaabde kan Boontuun dhaabde meeqan caala?
- e** Biqiltoonni Najaat dhaabde kan Dureettiin dhaabde meeqan caala?
- f** Biqiltoonni Boontuun dhaabde kan Dureettiin dhaabde meeqan caala?

Boqonnaa

2

$$\begin{array}{l} 99 \\ 20 \div 4 = 5 \\ 49 \div 7 = ? \\ 6 \times 3 = 18 \\ 1 \quad 2 \end{array}$$

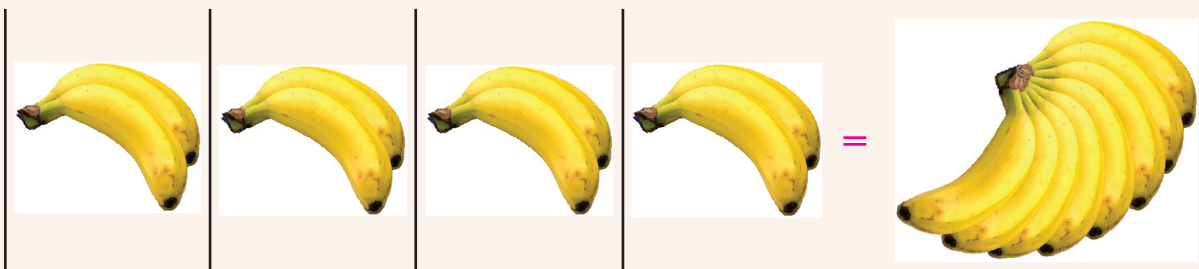
**BAAY'ISUU FI HIRUU
HAMMA 100TTI**

2.1 KEESSA DEEBII HAMBIFANNAA MALEE 2 FI 10'N BAAY'ISUU FI HAFTEE MALEE 2 FI 10'F HIRUU

2.1.1 KEESSA DEEBII HAMBIFANNAA MALEE 2 FI 10'N BAAY'ISUU

GOCHA 2.1

1



- Saanduqa keessa muuzota meeqatu jira?
- Lama lamaan osoo gareedhaan kaa'amanii garee meeqa ta'u?
- Baay'ina garee yoo baay'ina muuzota garee keessa jiraniin baay'iste meeqa argatta?

Gocha armaan olii irraa kanneen armaan gadii hubadhu.

$$2 + 2 + 2 + 2 = 2 \times 4 = 8$$

Yommuu dubbifnu “*lama si’a afur ni ta’a saddeet*” jenneeti.

- 2** Obbo Tolaan mukoota kudhan kudhaniin hidhaman lama yoo qabaatan, walitti mukoota meeqa qabu?

$$10 + 10 = 20, \quad \underline{10} \times \underline{?} = \underline{20}$$

Lakkoofsota 2'n baay'isuu hubachuuf fakkiiwwan armaan gadii xiinxali.



	Saawwan garee lamaan jiru. Garee tokko keessa saawwan 2 tu jiru. Kanaafuu, saawwan
	2 x 2 tu jiru jechuudha. Baay'inni isaanii immoo 4. Kanarraa $2 \times 2 = 4, \quad 2 \times 2 = 2 + 2$
	Burtukaanonni garee lamaan jiru. Gareen tokko keessa burtukaanota 3 qabna. Walitti immoo 6tu jira.
	Kanaafuu, 3×2 jechuun $3 + 3$ jechuudha. Kanaaf, $3 \times 2 = 6$

		Peennaan garee lamaan kaa'amuu isaanii hubadhu. Garee tokko keessa peennaa 7 tu jira. Kanaaf, baay'inni peennaa 7×2 ta'a. Kunis peennaa 14 ta'a. Kanaafuu, $7 \times 2 = 7 + 7 = 14$.
		
		
		
		
		
		

Hubadhu

$7 \times 2 = 14$ keessatti

➤ 7 fi 2 hirmaatoota 14ti.

➤ 14 baay'ataa jedhama.

Fakkeenya 1

10'n Baay'isuu

a $10 \times 4 =$ _____

Deebii:

$10 \times 4 = 10 + 10 + 10 + 10 = 40$.

Kanaafuu $10 \times 4 = 40$

b $10 \times 5 =$ _____

Deebii:

$10 \times 5 = 10 + 10 + 10 + 10 + 10 = 50$.

Kanaafuu, $10 \times 5 = 50$

GILGAALA 2.1

1 *Himoota armaan gadii hirmaatootaa fi baay'atoota jechuun addaan baasii barreessi.*

- a $2 \times 3 = 6$ keessatti, 2 fi 3 hirmaatoota 6 immoo baay'ataadha.
- b $2 \times 5 = 10$ keessatti, ____ fi ____ hirmaatoota ____ immoo baay'ataa dha.
- c $4 \times 2 = 8$ keessatti, ____ fi ____ hirmaatoota ____ immoo baay'ataa dha.
- d $6 \times 2 = 12$ keessatti, ____ fi ____ hirmaatoota ____ immoo baay'ataa dha.
- e $9 \times 2 = 18$ keessatti, ____ fi ____ hirmaatoota ____ immoo baay'ataa dha.

2 *Gabatee baay'isuu armaan gadii guuti.*

×	2	3	4	5	6	7	8	9	10	11	12
2		6				14			20		
10			40						100		

2.1.2 KEESSA DEEBII HAFTEE MALEE 2 FI 10'F HIRUU

2'f Hiruu

GOCHA 2.2

Barsiisaa Fayyisaan kubboota 12 bakka wal qixa lamatti yoo qoodan meeqa meeqa ga'a?

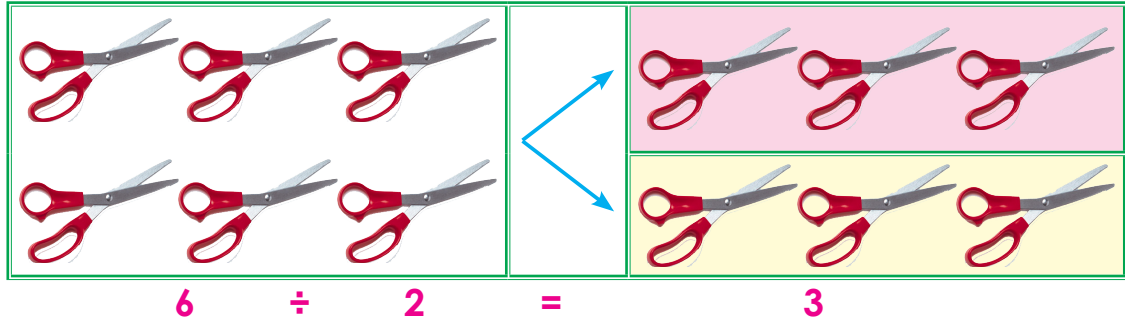


Gocha kana irraa kan hubannu 6 si'a lama, 12 ta'uu isaati.

$$6 \times 2 = 12 \text{ waan ta'eef } 12 \div 2 = 6$$

Fakkeenya 2

- a $6 \div 2 = \underline{\hspace{2cm}}$ argachuuf danaa armaan gadii ilaali.



- b $8 \div 2 = \underline{\hspace{2cm}}$ ta'a. Kana hojjechuuf haala armaan gadiitti fayyadamuun ni danda'ama. Kunis, 2 irra deddeebi'uun hir'isuun argama. Si'a meeqa akka hir'iste lakkaa'uun deebii argatta:-

$$8 - 2 = 6$$

$$6 - 2 = 4$$

$$4 - 2 = 2$$

$$2 - 2 = 0$$

Si'a 4 waan hir'isteef $8 \div 2 = 4$ jenna.

Hubadhu:

Hiruu jechuun irra deddeebi'anii hir'isuu jechuudha.

GILGAALA 2.2

1 Bakka duwwaa armaan gadii guuti.

- a $10 \div 2 = \underline{\hspace{2cm}}$ b $12 \div 2 = \underline{\hspace{2cm}}$ c $30 \div 2 = \underline{\hspace{2cm}}$
 d $16 \div 2 = \underline{\hspace{2cm}}$ e $18 \div 2 = \underline{\hspace{2cm}}$ f $20 \div 2 = \underline{\hspace{2cm}}$

g $22 \div 2 = \underline{\hspace{2cm}}$ h $24 \div 2 = \underline{\hspace{2cm}}$ i $26 \div 2 = \underline{\hspace{2cm}}$
 j $28 \div 2 = \underline{\hspace{2cm}}$

2 Gabatee hiruu armaan gadii guuti.

÷	2
14	7
32	
34	
36	
38	
40	
42	
44	
46	
48	
50	
52	
54	

10f Hiruu

Lakkoofsota hundaa 10f hiruu sirritti hubachuuf fakkeenya armaan gadii ilaali.

Fakkeenya 3

a $20 \div 10 = \underline{\hspace{2cm}}$

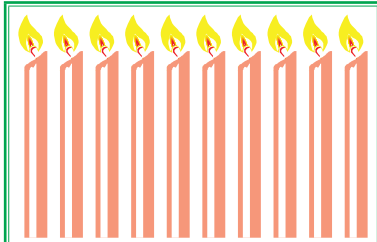
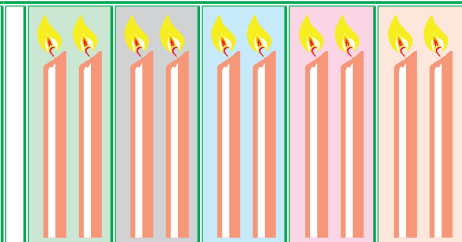
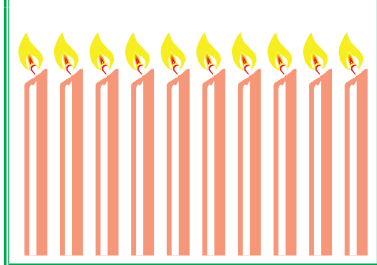
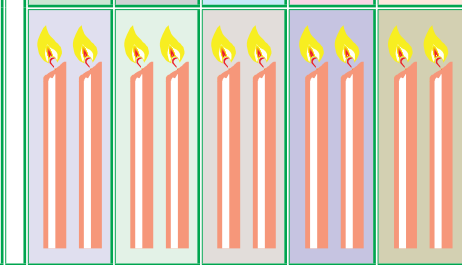
Deebii

$$20 - 10 = 10$$

$$10 - 10 = 0$$

Si'a 2 waan hir'isneef $20 \div 10 = 2$

Yookiin danaa armaan gadii sirriitti hubadhu.

		Dungoowwan bakka meeqatti akka qoodaman ibsi.
		Bakka walqixa 10tti qoodameera. Gareen hunduu 2 of keessaa qabu. Kanaafuu, $20 \div 10 = 2$

b $30 \div 10 = \underline{\hspace{2cm}}$

Deebii:

Irra deddeebinee hir'isuun haa hojjennu.

$$30 - 10 = 20$$

$$20 - 10 = 10$$

$$10 - 10 = 0$$

Si'a 3 waan hir'isneef, $30 \div 10 = \underline{3}$

GILGAALA 2.3

Bakka duwwaa armaan gadii guuti.

1 $40 \div 10 = \underline{\hspace{2cm}}$

2 $50 \div 10 = \underline{\hspace{2cm}}$

3 $60 \div 10 = \underline{\hspace{2cm}}$

4 $70 \div 10 = \underline{\hspace{2cm}}$

5 $80 \div 10 = \underline{\hspace{2cm}}$

6 $90 \div 10 = \underline{\hspace{2cm}}$

2.2 0 FI 1'N BAAY'ISUU FI 1'F HIRUU

2.2.1 0 FI 1'N BAAY'ISUU

Fakkeenya 4

a $0 \times 3 = 0$

b $4 \times 0 = 0$

c $5 \times 0 = 0 \times 5 = 0$

d $10 \times 0 = 0 \times 10 = 0$

Hubadhu

Lakkoofsa hundaa kamiyyuu 0'n yoo baay'ifne 0 ta'a.

GILGAALA 2.4

1 Bakka duwwaa armaan gadii guuti.

a $6 \times 0 = \underline{\hspace{2cm}}$

b $7 \times 0 = \underline{\hspace{2cm}}$

c $8 \times 0 = \underline{\hspace{2cm}}$

d $12 \times 0 = \underline{\hspace{2cm}}$

e $20 \times 0 = \underline{\hspace{2cm}}$

f $24 \times 0 = \underline{\hspace{2cm}}$

g $19 \times 0 = \underline{\hspace{2cm}}$

h $45 \times 0 = \underline{\hspace{2cm}}$

i $87 \times 0 = \underline{\hspace{2cm}}$

j $92 \times 0 = \underline{\hspace{2cm}}$

2 Gabatee baay'isuu armaan gadii guuti.

×	13	21	35	37	43	46	52	68	72	96
0	0				0				0	

Fakkeenya 5



Urjiiwwan 6 garee tokko keessa jiru. Baay'inni isaanii immoo 6.

Kanaafuu, $6 \times 1 = 6$



Lukkuuwwan 8 garee tokko keessa jiru. Kanaafuu,

$$8 \times 1 = 8$$

Hubadhu

Lakkoofsi hundaa kamiyyuu yoo 1'n baay'ate, firiin isaa lakkoofsichuma sana ta'a.

GILGAALA 2.5

a Bakka duwwaa armaan gadii guuti.

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

2 $9 \times 1 = \underline{\quad}$

3 $17 \times 1 = \underline{\quad}$

4 $20 \times 1 = \underline{\quad}$

5 $24 \times 1 = \underline{\quad}$

6 $32 \times 1 = \underline{\quad}$

7 $36 \times 1 = \underline{\quad}$

8 $49 \times 1 = \underline{\quad}$

9 $53 \times 1 = \underline{\quad}$

10 $67 \times 1 = \underline{\quad}$

b Gabatee baay'isuu armaan gadii guuti.

×	1	2	8	12	15	26	29	33	37	42	48
0		0							0		
1						26				42	
2				24				66			

2.2.2 1'F HIRUU

Fakkeenya 6

a $3 \div 1 = \underline{\quad}$. Bakka duwwaa keessatti meeqa barreessina? Mee gareedhaan irratti mari'adhaa. Deebiin isaa akka armaan gadiitti argama.



Qurxummoonni 3 garee tokko keessa jiru. Kanaafuu, 3 tokkoof yoo qoodne 3 ta'a. Kanaafuu, $3 \div 1 = 3$.

Yookiin irra deddeebinee hir'isuun argachuun ni daanda'ama.

$$3 - 1 = 2 \quad \text{☞} \quad 2 - 1 = 1 \quad \text{☞} \quad 1 - 1 = 0$$

Si'a 3 waan hir'isinneef, $3 \div 1 = 3$.

b $4 \div 1 = \underline{\hspace{2cm}}$ hojjechuuf immoo danaa armaan gadii hubadhu.

	=	
$4 \div 1$	=	4

Yookiin haala armaan gadiitti fayyadamuu ni dandeenya.

$$4 - 1 = 3 \quad \text{☞} \quad 3 - 1 = 2 \quad \text{☞} \quad 2 - 1 = 1 \quad \text{☞} \quad 1 - 1 = 0$$

Si'a 4 waan hir'isinneef $4 \div 1 = 4$ ta'a.

c $7 \div 1 = \underline{\hspace{2cm}}$

Deebii:

$$7 - 1 = 6 \quad \text{☞} \quad 6 - 1 = 5 \quad \text{☞} \quad 5 - 1 = 4 \quad \text{☞}$$

$$4 - 1 = 3 \quad \text{☞} \quad 3 - 1 = 2 \quad \text{☞} \quad 2 - 1 = 1 \quad \text{☞} \quad 1 - 1 = 0$$

Si'a 7 waan hir'isinneef $7 \div 1 = 7$.

Hubadhu

Lakkoofsa hundaa tokko yoo 1'f hirre, firiin isaa lakkoofsichuma san ta'a.

GILGAALA 2.6

1 *Bakka duwwaa armaan gadii guuti.*

a $8 \div 1 = \underline{\quad}$

b $12 \div 1 = \underline{\quad}$

c $15 \div 1 = \underline{\quad}$

d $24 \div 1 = \underline{\quad}$

e $29 \div 1 = \underline{\quad}$

f $32 \div 1 = \underline{\quad}$

g $39 \div 1 = \underline{\quad}$

h $45 \div 1 = \underline{\quad}$

i $48 \div 1 = \underline{\quad}$

j $52 \div 1 = \underline{\quad}$

k $66 \div 1 = \underline{\quad}$

l $97 \div 1 = \underline{\quad}$

2 *Gabatee armaan gadii guuti.*

$\div$	9	17	25	36	47	53	68	76	78	82	84	91	96	100
1						53				82				

2.3 3, 4, 5, 6, 7, 8 FI 9'N BAAY'ISUU FI HIRUU

2.3.1 3, 4, 5, 6, 7, 8 FI 9'N BAAY'ISUU

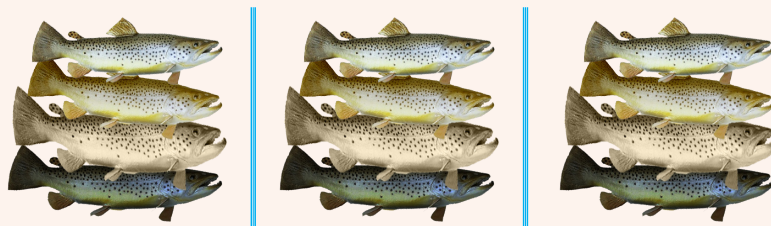
A 3'n Baay'isuu

GOCHA 2.3

Qurxummoonni afur afur bakka 3 jiru yoo ta'e, walitti meeqa ta'u?

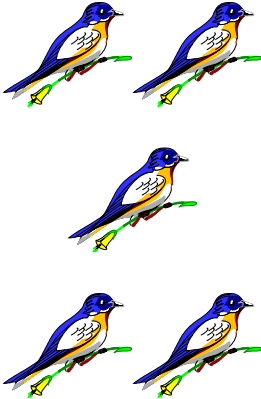
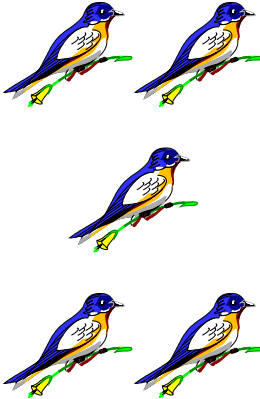
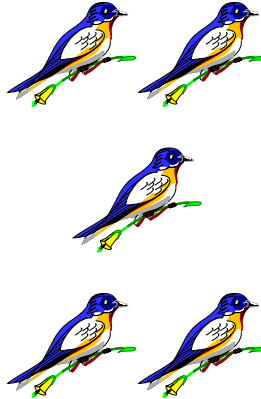
$$4 + 4 + 4 = 12,$$

$$4 \times 3 = 12$$



Fakkeenya 7

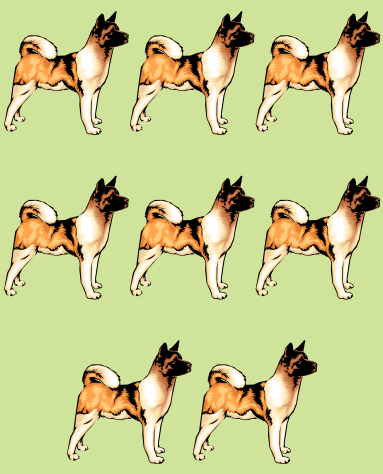
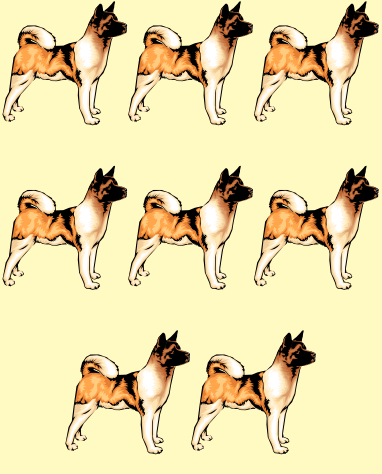
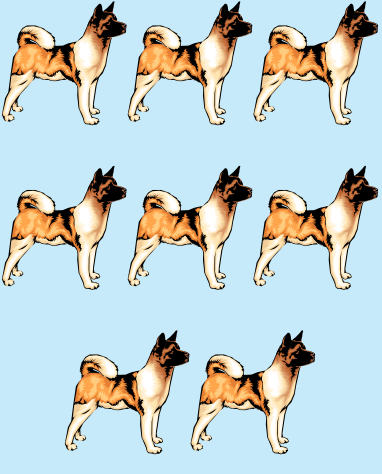
a $5 \times 3 =$ _____

			Simbiroota bakka 3 qabna. Bakka tokkoo simbirroota 5 qabna. Kanaafuu, $5 \times 3 = 5 + 5 + 5 = 15.$
---	---	--	--

b $8 \times 3 =$ _____

Deebii:

8×3 hojjechuuf fakkiiwwan armaan gadiitti fayyadamuu dandeenya.

		
8	+	8
		+
		8
$= 24$		

Kanaafuu, $8 \times 3 = 8 + 8 + 8 = 24$. Kanaaf $3 \times 8 = 24$

c Gatiin dabtara tokkoo qarshii 3 yoo ta'e, gatiin dabtaroota akkasii 6 qarshii meeqa?

Deebii:

Pirobileemii jechaa kana gara lakkoofsaatti yoo jijjiirre akka armaan gadii ta'a.

$$6 \times 3 = 6 + 6 + 6 = \underline{18}.$$

Kanaafuu, gatiin dabtaroota 6 qarshii 18.

GILGAALA 2.7

1 Bakka duwwaa armaan gadii guuti.

a $6 \times 3 = \underline{6} + \underline{6} + \underline{6} = \underline{18}$

b $14 \times 3 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

c $23 \times 3 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

d $25 \times 3 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

e $12 \times 3 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

f $9 \times 3 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

g $30 \times 3 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

2 Gabatee baay'isuu armaan gadii guuti.

×	7	9	10	11	12	13	15	16	21	22	27
3	21					39					

3 Baay'attoota 3 hamma 20tti jiran tarreessi.

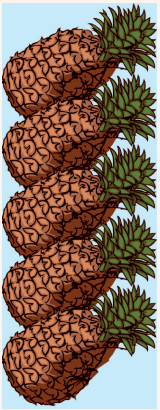
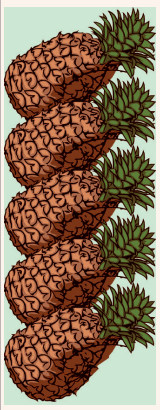
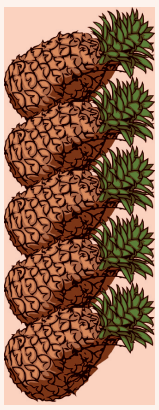
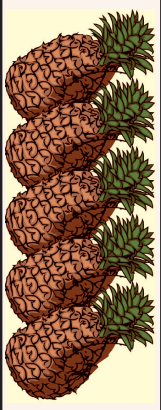
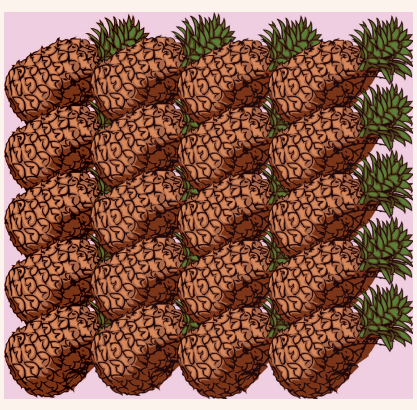
4 Saanduqni tokko burtukaanota 7 baata. Saanduqoonni akkasii 3 burtukaanota meeqa baatu?

5 Gatiin kitaaba tokkoo qarshii 8. Kitaabonni akkasii 3 qarshii meeqa baasu?

B 4'n Baay'isuu

GOCHA 2.4

a *Anaanasonni shan shan bakka 4 taa'aniiru. Walitti yoo lakkoofte meeqa ta'u?*

	+		+		+		=	
5	+	5	+	5	+	5	=	20

$$5 \times 4 = 20$$

$$\begin{array}{r} 5 \\ \times 4 \\ \hline 20 \end{array}$$

b *Baay'attoota 4 barbaadi.*

Baay'attoota 4

×	1	2	3	4	5	6	7	8	9	10
4	4		12							40

Fakkeenya 8

a $6 \times 4 =$ _____

Deebii:

6×4 meeqa akka ta'e argachuuf fardoota ja'a ja'an saanduqoota 4 keessatti kennaman ilaali. Ida'amni isaanii meeqa? Lakkaa'uun irra ga'i.

	+		+		+	
6	+	6	+	6	+	6
= 24						

Kanaafuu, $6 \times 4 = 6 + 6 + 6 + 6 = 24$. Kanaaf, $6 \times 4 = 24$.

b $7 \times 4 = \underline{\hspace{2cm}}$

Deebii:

Gara ida'uutti jijjiiruun haa hojjannu.

$$7 \times 4 = 7 + 7 + 7 + 7 = 28$$

GILGAALA 2.8

1 Bakka duwwaa armaan gadii guuti.

a $9 \times 4 = \underline{9} + \underline{9} + \underline{9} + \underline{9} = 36$

b $12 \times 4 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

c $15 \times 4 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

d $21 \times 4 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

e $24 \times 4 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$

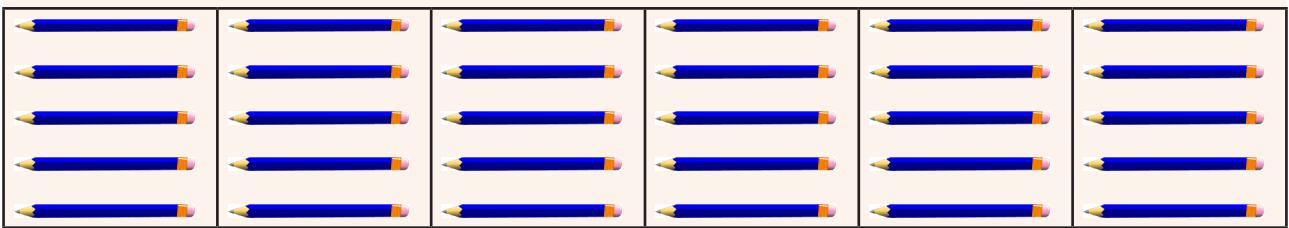
2 Gabatee baay'isuu armaan gadii guuti.

×	5	7	10	11	13	14	17	18	19	20	22	23	25
4	20						68						

3 Baay'attoota 4 hamma 32tti jiran tarreessi.

C 5'n Baay'isuu

GOCHA 2.5



Qubeessaan shan shan bakka 6 taa'aniiru. Waliigalatti qubeessaa meeqatu jira?

$$5 + 5 + 5 + 5 + 5 + 5 = 30$$

$$5 \times 6 = 30$$

Baay'attoota 5 bakka duwwaa guuti.

×	1	2	3	4	5	6	7	8	9	10
5	5	10								

$1 \times 5 = 5$
$2 \times 5 = 10$
$3 \times 5 = 15$
$4 \times 5 = 20$
$5 \times 5 = 25$

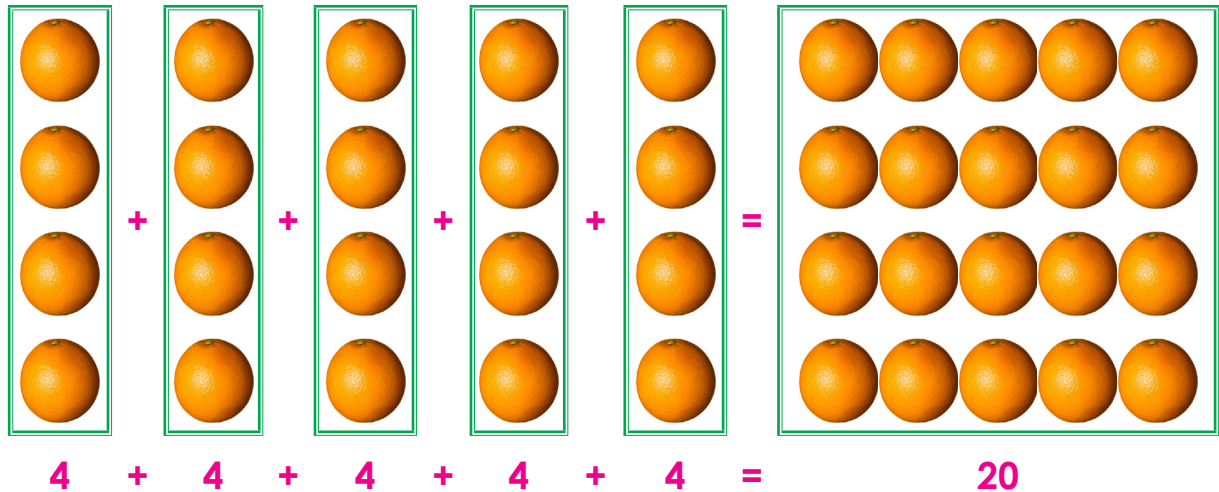
$6 \times 5 = \square$
$7 \times 5 = \square$
$8 \times 5 = \square$
$9 \times 5 = \square$
$10 \times 5 = \square$

Fakkeenya 9

$$4 \times 5 = \underline{\hspace{2cm}}$$

Deebii:

Burtukaanota afur afuriin saanduqoota 5 keessa jiran sirriitti ilaali. Walitti meeqa akka ta'u saanduqa ja'affaa keessaa lakkaa'i.



Kanaaf, $4 \times 5 = 4 + 4 + 4 + 4 + 4 = 20$, $5 \times 4 = 20$.

GILGAALA 2.9

1 *Bakka duwwaa armaan gadii guuti.*

a $7 \times 5 = \underline{7} + \underline{7} + \underline{7} + \underline{7} + \underline{7} = \underline{35}$

b $8 \times 5 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

c $9 \times 5 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

d $10 \times 5 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

e $11 \times 5 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

f $12 \times 5 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$

2 Gabatee baay'isuu armaan gadii guuti.

×	1	2	3	4	5	6	7	8	9	10	11	12
5	5				25							60

3 Baay'attoota 5 isaan hamma 60tti jiran tarreessi.

4 Gatiin kitaaba tokkoo qarshii 5 yoo ta'e , kitaabonni akkasii 4 qarshii meeqa baasu?

D 6'n Baay'isuu

GOCHA 2.6

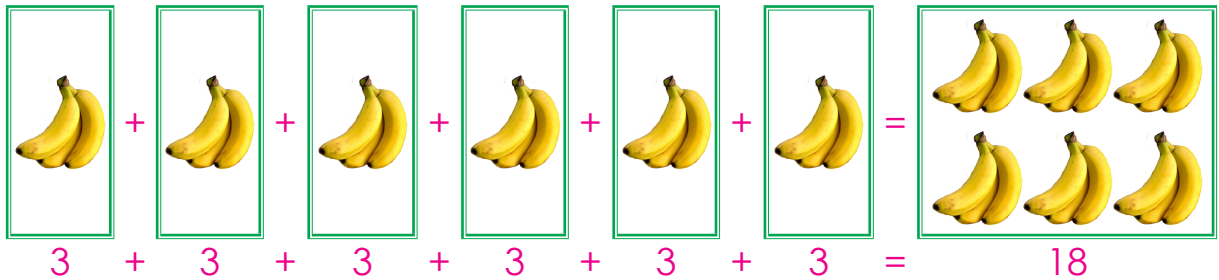
4×6 bifa ida'uutti jijjiiruun hojjechuu irratti gareedhaan mar'adhaa.

Fakkeenya 10

a $3 \times 6 =$ _____

Deebii:

3×6 meeqa akka ta'e argachuuf muuzota armaan gadii walitti makuun lakkaa'i.



Kanaaf, $3 \times 6 = 18$, $6 \times 3 = 18$.

b $7 \times 6 =$ _____

Deebii:

$7 \times 6 = 7 + 7 + 7 + 7 + 7 + 7 = 42$.

Kanaaf, $7 \times 6 = 42$, $6 \times 7 = 42$.

GILGAALA 2.10

1 Bakka duwwaa armaan gadii guuti.

a $6 \times 6 = \underline{6} + \underline{6} + \underline{6} + \underline{6} + \underline{6} + \underline{6} = 36$

b $8 \times 6 = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

c $9 \times 6 = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

d $10 \times 6 = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

e $11 \times 6 = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

f $12 \times 6 = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

g $13 \times 6 = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

h $14 \times 6 = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

i $15 \times 6 = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

2 Baay'attoota 6 hamma 48tti jiran tarreessi.

3 Saanduqni tokko burtukaanota 5 baachuu danda'a. Saanduqoonni akkasii 6 burtukaanota meeqa baatu?

E 7'n Baay'isuu

GOCHA 2.7



Tolaan harrediidoo garee 4'n deeman arge. Gareen hunduu harrediidoo torba torba qabu yoo ta'e, waliigalatti Tolaan harrediidoo meeqa arge?

$$7 + 7 + 7 + 7 = 28$$

$$7 \times 4 = 28$$

Fakkeenya 11

a $4 \times 7 = \underline{\hspace{2cm}}$

Deebii:

$$4 \times 7 = 4 + 4 + 4 + 4 + 4 + 4 + 4 = 28.$$

Kanaaf, $4 \times 7 = 28$, $7 \times 4 = 28$.

b $5 \times 7 = 5 + 5 + 5 + 5 + 5 + 5 + 5 = 35.$

Kanaaf, $5 \times 7 = 35$, $7 \times 5 = 35$.

F 8'n Baay'isuu

GOCHA 2.8

4×8 bifa ida'uutti jijjiiruun hojjechuu irratti gareedhaan mar'adhaa.

Fakkeenya 12

a $3 \times 8 = \underline{\hspace{2cm}}$

Deebii:

$$\begin{aligned} 3 \times 8 &= 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 \\ &= 24. \end{aligned}$$

Kanaaf, $3 \times 8 = 24$, $8 \times 3 = 24$.

b $9 \times 8 = \underline{\hspace{2cm}}$

Deebii:

$$\begin{aligned} 9 \times 8 &= 9 + 9 + 9 + 9 + 9 + 9 + 9 + 9 \\ &= 72. \end{aligned}$$

Kanaaf, $9 \times 8 = 72$, $8 \times 9 = 72$.

GILGAALA 2.11

1 *Bakka duwwaa armaan gadii guuti.*

a $6 \times 7 = \underline{6} + \underline{6} + \underline{6} + \underline{6} + \underline{6} + \underline{6} + \underline{6} = 42$

b $8 \times 7 = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

c $9 \times 7 = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

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

e $11 \times 7 = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

f $12 \times 7 = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

g $13 \times 7 = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

h $14 \times 7 = \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

2 Bakka duwwaa armaan gadii guuti.

a $5 \times 8 = \underline{\quad}$

b $6 \times 8 = \underline{\quad}$

c $10 \times 8 = \underline{\quad}$

d $11 \times 8 = \underline{\quad}$

e $12 \times 8 = \underline{\quad}$

3 Gabatee baay'isuu armaan gadii guuti.

×	0	1	2	3	4	5	6	7	8	9	10	11	12
8			16						64				

4 Baay'attoota 7 hamma 49 tti jiran tarreessi.

5 Baay'attoota 8 hamma 64tti jiran tarreessi.

6 Lukkuun tokko qarshii 10 baasti. Lukkuuwwan akkasii 8 qarshii meeqa baasu?

G 9'n Baay'isuu

GOCHA 2.9

Baay'attoota armaan gadii argadhu.

a	×	1	2	3	4	5	6	7	8	9	10
Baay'attoota 7	7	7	14					49			

b	×	1	2	3	4	5	6	7	8	9	10
Baay'attoota 8	8	8	16					56			

c	×	1	2	3	4	5	6	7	8	9	10
Baay'attoota 9	9	9	18					63			

Fakkeenya 13

a $3 \times 9 = \underline{\hspace{2cm}}$

Deebii:

$$3 \times 9 = 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 + 3 = 27.$$

Kanaaf, $3 \times 9 = 27$, $9 \times 3 = 27$.

b $10 \times 9 = \underline{\hspace{2cm}}$

Deebii:

$$10 \times 9 = 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 + 10 = 90.$$

Kanaaf, $10 \times 9 = 90$, $9 \times 10 = 90$.

GILGAALA 2.12

1 *Bakka duwwaa armaan gadii guuti.*

a $4 \times 9 = \underline{\hspace{2cm}}$

b $5 \times 9 = \underline{\hspace{2cm}}$

c $6 \times 9 = \underline{\hspace{2cm}}$

d $7 \times 9 = \underline{\hspace{2cm}}$

e $8 \times 9 = \underline{\hspace{2cm}}$

f $9 \times 9 = \underline{\hspace{2cm}}$

- 2 Baay'attoota 9 hamma 81tti jiran tarreessi.
- 3 Huccuun tokko qarshii 9'n bitama. Huccuun akkaasii 5 qarshii meeqaan bitama?
- 4 *Gabatee baay'isuu armaan gadii guuti.*

×	0	1	2	3	4	5	6	7	8	9	10
1				3							
2											
3						15					
4								28			
5											
6											
7									56		
8											
9										81	
10						50					

2.3.2 3, 4, 5, 6, 7, 8 FI 9'F HIRUU

A 3'f Hiruu

GOCHA 2.10

Barsiisaa Guyyoon barattoota kutaa tokkoffaa keessatti qabxii olaanaa fidan 3'f kitaabota 12 walqixa qooduun badhaasani. Barattoota kana kitaaboota meeqa meeqa ga'e?

$$12 \div 3 = 4$$

Kanas baay'isuun mirkaneessuun ni danda'ama.

$$4 \times 3 = 12$$

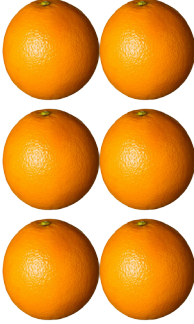


Fakkeenya 14

a $6 \div 3 = \underline{\hspace{2cm}}$

Deebii:

$6 \div 3$ hojjechuuf burtukaanota 6 qabda haa jennu, burtukaanota ja'an bakka 3tti walqixa qoodi. Kunis akka armaan gadiiti ta'a.

			Burtukaanota 6 qabna. Bakka walqixa 3tti yoo qoodne lama lama walga'a. Kanaafuu, $6 \div 3 = 2$
			
			

b $12 \div 3 = \underline{\hspace{2cm}}$

Deebii:

$12 - 3 = 9$  $9 - 3 = 6$  $6 - 3 = 3$  $3 - 3 = 0$

Si'a 4 waan hir'isinneef $12 \div 3 = 4$ ta'a. Kanaaf $3 \times 4 = 12$ jechuudha.

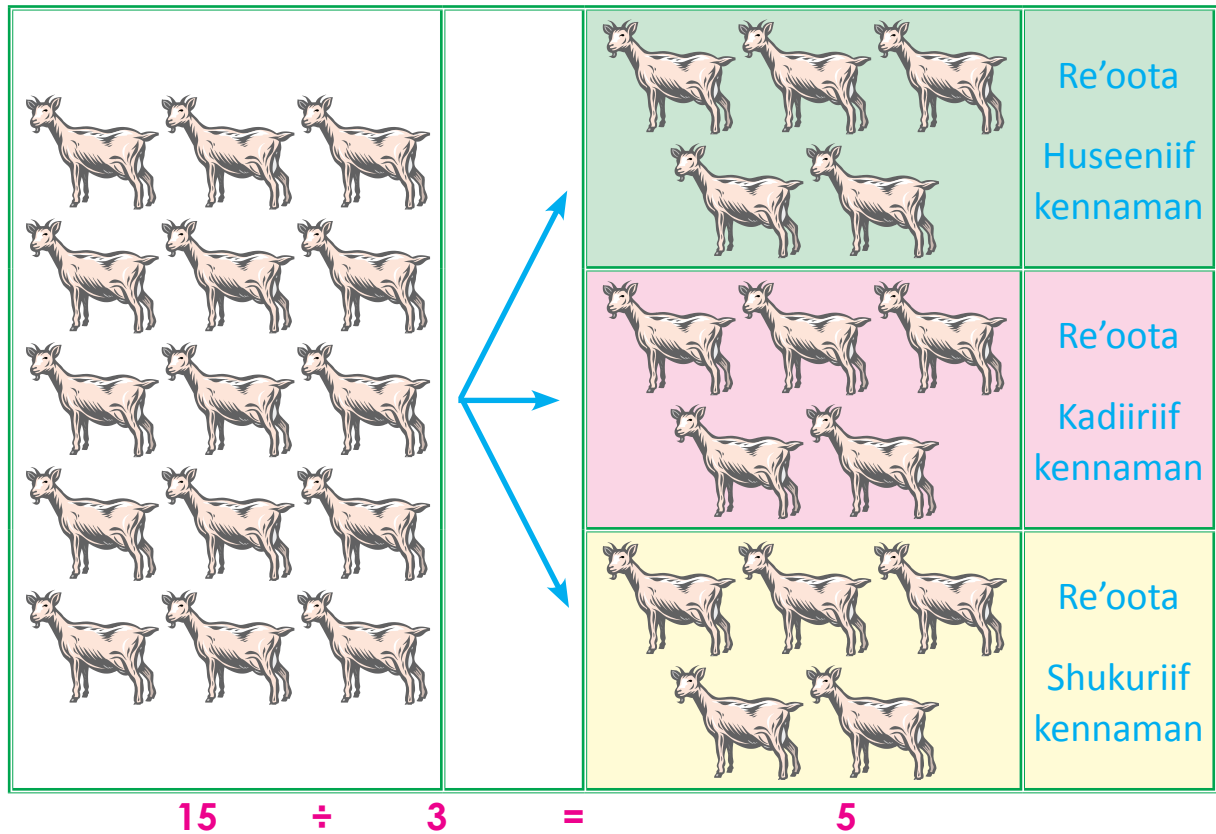
c Obbo Jamaal re'oota 15 ijoollee isaanii 3'f walqixa yoo hiraniif, tokkoon tokkoon ijoollee re'oota meeqa meeqa argatu?

Deebii:

Pirobileemiin jechaa kun yommuu lakkoofsaan ibsamu akka armaan gadii ta'a.

Baay'ina re'oota obbo Jamaal $\div 3 =$ Baay'ina re'oota mucaan tokko argatuu ti.

$15 \div 3 = \underline{\hspace{2cm}}.$



Kanaaf, Obbo Jamaal ijoollee isaaniif re'oota shan shan kennani.

GILGAALA 2.13

1 *Bakka duwwaa armaan gadii guuti.*

- a** $9 \div 3 = \underline{\quad}$ **b** $18 \div 3 = \underline{\quad}$ **c** $24 \div 3 = \underline{\quad}$
d $27 \div 3 = \underline{\quad}$ **e** $36 \div 3 = \underline{\quad}$ **f** $42 \div 3 = \underline{\quad}$

2 *Bakka duwwaa armaan gadii haala fakkeenya kennameen guuti.*

- a** $15 \div 3 = \underline{5}$. Kanaafuu, $3 \times \underline{5} = 15$
b $12 \div 3 = \underline{\quad}$. Kanaafuu, $3 \times \underline{\quad} = 12$
c $21 \div 3 = \underline{\quad}$. Kanaafuu, $3 \times \underline{\quad} = 21$
d $30 \div 3 = \underline{\quad}$. Kanaafuu, $3 \times \underline{\quad} = 30$
e $33 \div 3 = \underline{\quad}$. Kanaafuu, $3 \times \underline{\quad} = 33$

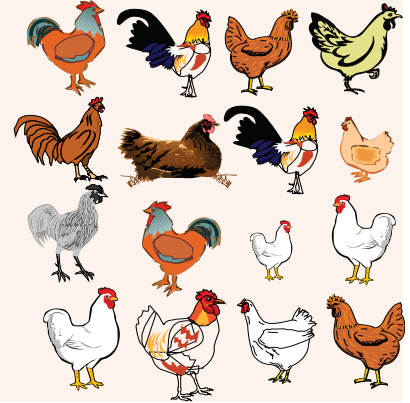
- 3 Aadde Taliileen saawwan 30 qabu. Ijoollee isaanii 3 bira saawwan walqixa kaawwatan. Aadde Taliileen saawwan meeqa meeqa ijoollee isaaniitti kennatan?

B 4'f Hiruu

GOCHA 2.11

Tolawaaqi lukkuuwwan 16 qaba. Gabateen bishaan ittiin obaasan tokko takkaatti lukkuuwwan 4 gaha yoo ta'e, lukkuuwwan hunda al tokko obaasuuf gabatee meeqatu ga'a?

$$16 \div 4 = 4$$

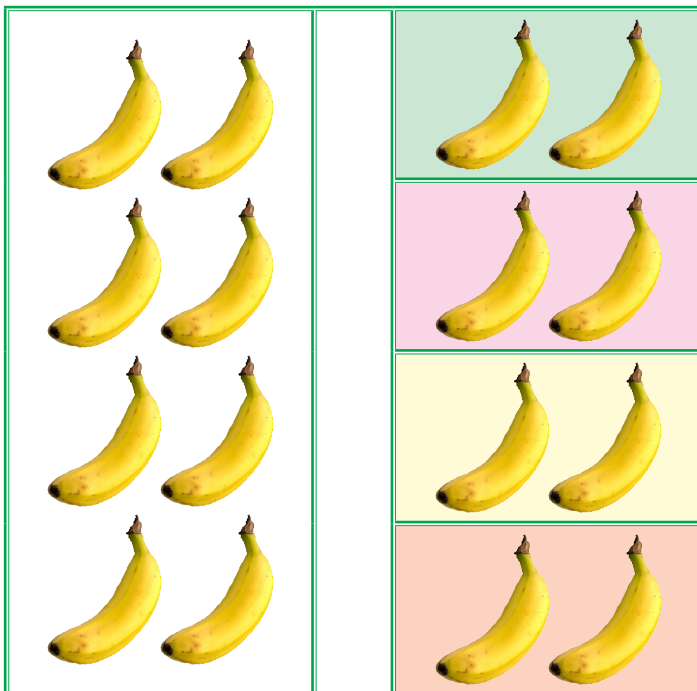


Fakkeenya 15

a $8 \div 4 = \underline{\hspace{2cm}}$

Deebii:

$8 \div 4$ argachuuf waantoota 8 fudhachuun bakka 4 walqixatti qooduun hojjachuu ni dandeenya.



Muuzota 8 qabna. Bakka walqixa 4tti yoo qoodne lama lama walga'a.

Kanaafuu,

$$8 \div 4 = 2$$

b $16 \div 4 = \underline{\hspace{2cm}}$

Deebii:

$16 - 4 = 12$  $12 - 4 = 8$  $8 - 4 = 4$  $4 - 4 = 0$

si'a 4 waan hir'sinneef, $16 \div 4 = 4$.

Kanaafuu $4 \times 4 = 16$.

c Baay'inni barattoota kutaa 2^{ffaa} daree A 36. Barsiiftuun isaanii garee 4 walqixatti qoodde yoo ta'e, baay'inni barattoota garee tokko keessa jiranii meeqa ta'u?

Deebii:

Pirobileemii jechaa kana gara pirobleemii lakkoofsaatti yoo jijjiirru akka armaan gadii ta'a.

Baay'ina barattoota kutaa 2^{ffaa} $\div 4 =$ baay'ina barattoota garee tokko keessaa

Kunis $36 \div 4 = \underline{\hspace{2cm}}$ ta'a.

$36 - 4 = 32$  $32 - 4 = 28$  $28 - 4 = 24$ 

$24 - 4 = 20$  $20 - 4 = 16$  $16 - 4 = 12$ 

$12 - 4 = 8$  $8 - 4 = 4$  $4 - 4 = 0$ 

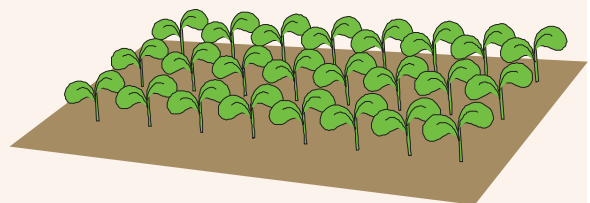
si'a 9 waan irra deddeebi'uun hir'isinneef $36 \div 4 = 9$ ta'a.

Kanaafuu, $4 \times 9 = 36$ dha.

C 5'f Hiruu

GOCHA 2.12

Baay'inni barattoota kutaa 2^{ffaa} 30. Garee walqixa 5tti qoodamanii biqiltuu kunuunsu yoo ta'e, garee tokko keessa barattoota meeqatu jira?



$30 \div 5 = 6$

Fakkeenya 16

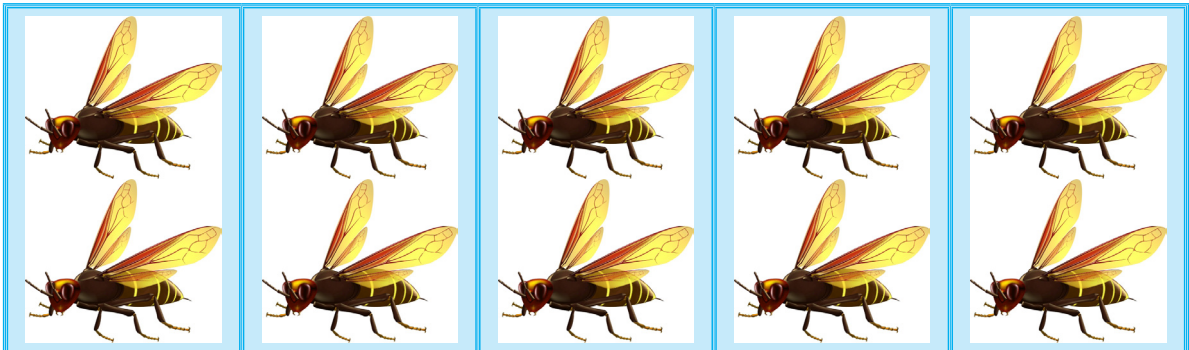
a $10 \div 5 = \underline{\hspace{2cm}}$

Deebii:

$10 \div 5$ argachuuf waantoota 10 fudhachuun bakka 5 walqixatti qooduun hojjachuu ni dandeenya. Mee kanniisaawwan armaan gadii ilaali.



Kanniisawwan 10 saanduqa keessa jiran kanneen iddoo walqixa 5tti yoo qoodne meeqa meeqatti qoodamu? Saanduqoota armaan gadii hubadhu.



Saanduqoota armaan olii keessa kanniisaawwan lama lamatu jiru.

Kanarraa $10 \div 5 = 2$ ta'uu isaati hubanna.

Kanaafuu, $5 \times 2 = 10$ ta'a.

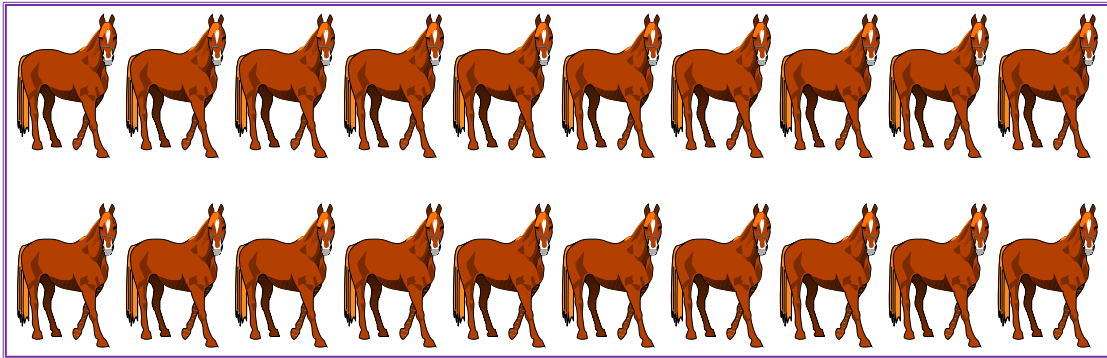
- b Obbo Tolaan qotee bulaa cimaa badhaasa yeroo baay'ee argatanidha. Fardoota qaban keessaa 20 ijoollee isaanii 5'f walqixa addaan qoodaniif yoo ta'e, ijoolleen obbo Tolaa fardoota meeqa meeqa argatan?

Deebii:

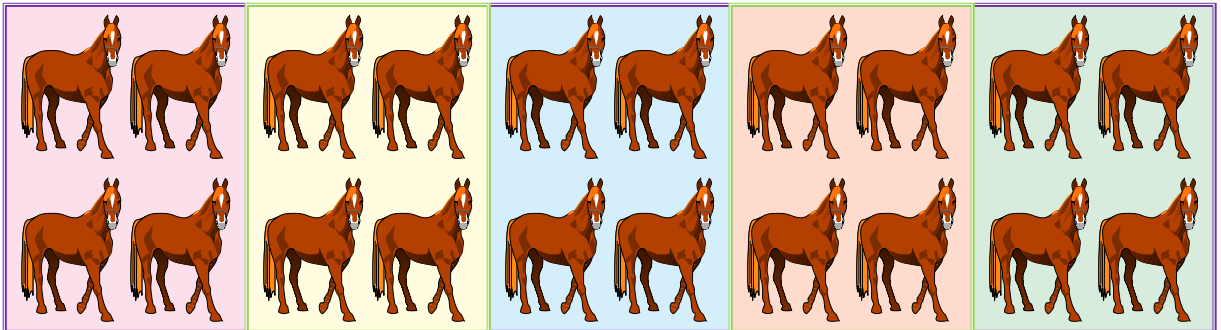
Pirobileemii jechaa kana gara hima herregaatti jijjiiruuf akka kan armaan gadii gochuu qabna.

Baay'ina fardoota obbo Tolaa $\div$ Baay'ina ijoollee = Baay'ina fardoota tokkoon tokkoon ijoollee argatanii

Kanaaf, $20 \div 5 = \underline{\quad}$ tti jijjiirama. Mee amma fakkii fardoota 20 saanduqa keessaa ilaali.



Fardoota kanneen bakka walqixa 5tti yoo qoodne akka armaan gadii ta'a.



Saanduqoota armaan olii keessa fardoota afur afuritu jira.

Kana irraa $20 \div 5 = 4$ ta'uu hubanna. Kanaafuu $4 \times 5 = 20$.

GILGAALA 2.14**1 Bakka duwwaa armaan gadii guuti.**

a $16 \div 4 = \underline{\quad}$

b $25 \div 5 = \underline{\quad}$

c $20 \div 4 = \underline{\quad}$

d $30 \div 5 = \underline{\quad}$

e $24 \div 4 = \underline{\quad}$

f $35 \div 5 = \underline{\quad}$

g $28 \div 4 = \underline{\quad}$

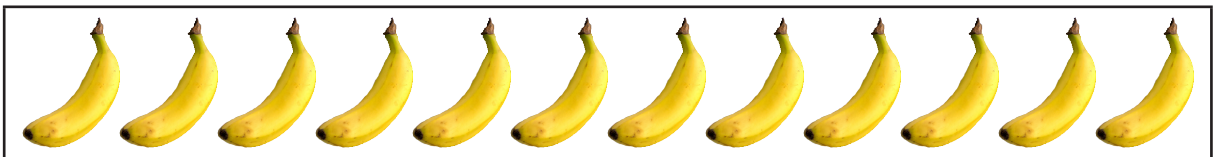
h $40 \div 5 = \underline{\quad}$

i $32 \div 4 = \underline{\quad}$

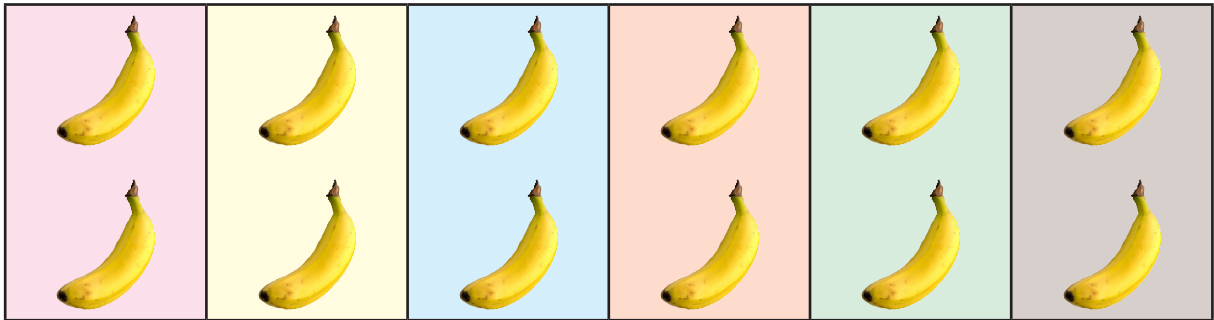
j $45 \div 5 = \underline{\quad}$

2 Aadde Badhaatuun ijoollee 4 qabu. Burtukaanota 24 gabaadhaa bitanii yoo ijoollee isaaniitiif walqixa hiraniif, burtukaanota meeqa meeqa walga'a?**3** Dabtaroonni 35 barattoota 7'f walqixa yoo qoodame, meeqa meeqa walga'a?**D 6'f Hiruu****GOCHA 2.13** $18 \div 6$ bifa irra deddeebi'uun hir'isuutiin ibsaa.**Fakkeenya 17**

$12 \div 6 = \underline{\quad}$

Deebii: $12 \div 6$ argachuuf, wantoota 12 fudhachuun bakka 6tti walqixa qooduun hojjachuu ni dandeenya.

Muuzota armaan olii bakka walqixa 6tti yoo qoodne, akka kan armaan gadii ta'a.



Saanduqoota armaan olii keessa burtukaanota lama lamatu jira.

Kanaafuu, $12 \div 6 = 2$.

E 7, 8 fi 9'f Hiruu

GOCHA 2.14

$21 \div 7$ bifa irra deddeebi'uun hir'isuutiin ibsi.

Fakkeenya 18

a $28 \div 7 = \underline{\hspace{2cm}}$

Deebii:

$28 - 7 = 21$  $21 - 7 = 14$  $14 - 7 = 7$  $7 - 7 = 0$

Si'a 4 irra deddeebi'uun waan hir'isneef, $28 \div 7 = 4$. Kanaaf, $7 \times 4 = 28$.

b $40 \div 8 = \underline{\hspace{2cm}}$

Deebii:

$40 - 8 = 32$  $32 - 8 = 24$  $24 - 8 = 16$  $16 - 8 = 8$  $8 - 8 = 0$

Si'a 5 irra deddeebi'uun waan hir'isneef, $40 \div 8 = 5$. Kanaaf, $8 \times 5 = 40$.

c $36 \div 9 = \underline{\hspace{2cm}}$

Deebii:

$36 - 9 = 27$  $27 - 9 = 18$  $18 - 9 = 9$  $9 - 9 = 0$

Si'a 4 irra deddeebi'uun waan hir'isneef, $36 \div 9 = 4$. Kanaaf, $9 \times 4 = 36$.

GILGAALA 2.15**1 *Bakka duwwaa armaan gadii guuti.***

a $6 \div 6 = \underline{\hspace{2cm}}$

b $7 \div 7 = \underline{\hspace{2cm}}$

c $8 \div 8 = \underline{\hspace{2cm}}$

d $9 \div 9 = \underline{\hspace{2cm}}$

2 *Kanneen armaa gadii furi.*

a $18 \div 6 = \underline{\hspace{2cm}}$

b $35 \div 7 = \underline{\hspace{2cm}}$

c $40 \div 8 = \underline{\hspace{2cm}}$

d $45 \div 9 = \underline{\hspace{2cm}}$

e $30 \div 6 = \underline{\hspace{2cm}}$

f $42 \div 7 = \underline{\hspace{2cm}}$

g $48 \div 8 = \underline{\hspace{2cm}}$

h $54 \div 9 = \underline{\hspace{2cm}}$

i $36 \div 6 = \underline{\hspace{2cm}}$

j $49 \div 7 = \underline{\hspace{2cm}}$

k $56 \div 8 = \underline{\hspace{2cm}}$

l $63 \div 9 = \underline{\hspace{2cm}}$

3 *Bakka duwwaa armaan gadii fakkeenya kenname hordofuun guuti.*

a $42 \div 6 = \underline{7}$. Kanaafuu, $6 \times \underline{7} = 42$.

b $56 \div 7 = \underline{\hspace{2cm}}$. Kanaafuu, $7 \times \underline{\hspace{2cm}} = 56$.

c $64 \div 8 = \underline{\hspace{2cm}}$. Kanaafuu, $8 \times \underline{\hspace{2cm}} = 64$

d $72 \div 9 = \underline{\hspace{2cm}}$. Kanaafuu, $9 \times \underline{\hspace{2cm}} = 72$.

e $48 \div 6 = \underline{\hspace{2cm}}$. Kanaafuu, $6 \times \underline{\hspace{2cm}} = 48$.

f $63 \div 7 = \underline{\hspace{2cm}}$. Kanaafuu, $7 \times \underline{\hspace{2cm}} = 63$.

4 Obbo Ahimad biqiltuu waddeessaa 42 biqilchan. Biqiltoota kanneen iddoo walqixa 6 yoo dhaaban, biqiltoota meeqa meeqa dhaaban?

5 Sumeyyaan hiriyyoota 7 qabdi. Muuzota 28 hiriyyoota isheef walqixa yoo goodde, meeqa meeqa isaan ga'a?

Boqonnaa

3



SAFAROOTA DHEERINAA, DHANGALA'OO FI HANGAA

3.1 DHEERINA 'cm' FI 'm'N SAFARUU

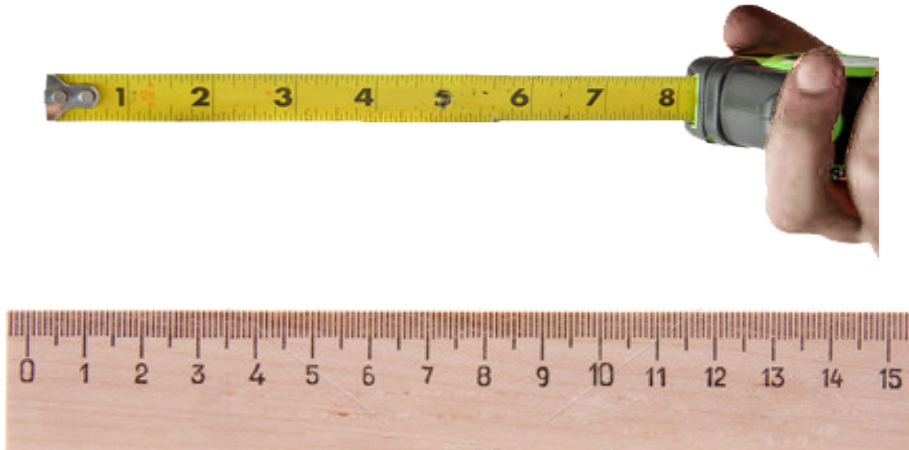
GOCHA 3.1

- a** Barattoota daree keessanii keessaa eenyutu hunda caalaa dheeraadha?
- b** Sarartuutti fayyadamuun dheerina dabtara kee santiimeetiraan safari. Hammam ta'e?
- c** Meetirri 1 saantimeetira meeqa ta'a?

Dheerina safaruuf meetirii fi saantiimeetiriitti fayyadamna. Meetirii fi saantimeetiriin yuuniitoota safara dheerinaati.

- ➔ Saantiimeetirii gabaabsuun “cm” jennee barreessina.
- ➔ Meetirii gabaabsuun “m” jennee barreessina.
- ➔ $1\text{m} = 100\text{ cm}$.

Dheerina safaruuf meeshalee armaan gadiitti gargaaramna.



GILGAALA 3.1

- 1 Sarartuutti fayyadamuun dheerina deeksii keessanii safari.
- 2 Dheerinni kee meetirii meeqaa fi saantimeetirii meeqa dha?

3.2 cm FI m IDA'UU FI HIR'ISUU

GOCHA 3.2

- a Wadaroo 7m dheeratu duraan qabdu irratti kan 5m dheeratu yoo siif dabalame, walitti waadaroo meetira meeqa dheeratu siif ta'a?
- b 8cm fi 2cm walitti cm meeqa ta'a?
- c Fo'aa 90 cm dheeratu irraa kan 30cm dheeratu yoo kutte, inni hafe hammam dheerata?

Fakkeenya 1

- a $9m + 7m = 16m$
- b $17cm + 5cm = 22cm$
- c $42m - 34m = 8m$

GILGAALA 3.2**1 Bakka duwwaa guuti.**

a $7\text{cm} + 10\text{cm} = \underline{\hspace{2cm}} \text{cm}$

b $25\text{cm} + 20\text{cm} = \underline{\hspace{2cm}} \text{cm}$

c $48 \text{ m} + 2\text{m} = \underline{\hspace{2cm}} \text{m}$

d $80\text{cm} + 5\text{cm} = \underline{\hspace{2cm}} \text{cm}$

e $29\text{cm} - 28\text{cm} = \underline{\hspace{2cm}} \text{cm}$

f $75\text{m} - 45\text{m} = \underline{\hspace{2cm}} \text{m}$

g $89\text{cm} - 34\text{cm} = \underline{\hspace{2cm}} \text{cm}$

h $25\text{cm} - 14\text{cm} = \underline{\hspace{2cm}} \text{cm}$

2 Bakka duwwaa armaan gadii guuti.

a $25\text{cm} + \underline{\hspace{2cm}} \text{cm} = 37\text{cm}$

b $14\text{m} + \underline{\hspace{2cm}} \text{m} = 48\text{m}$

c $75\text{cm} + \underline{\hspace{2cm}} \text{cm} = 77\text{cm}$

d $18\text{cm} + \underline{\hspace{2cm}} \text{cm} = 29 \text{ cm}$

e $17\text{m} + \underline{\hspace{2cm}} \text{m} = 42\text{m}$

3 Daraartuun huccuu 37m dheeratu bitte. Lachiisaan immoo kan 52m dheeratu bite.**a** Walitti huccuu meetira meeqa dheeratu bitan?**b** Huccuu Lachiisaan bite kan Daraartuun bitte irra hammam caalaa dheerata?**3.3 DHANGALA'OO LIITIRIIN SAFARUU****GOCHA 3.3****a** Aannan maaliin safarra?**b** Zayitaa fi gaazii bituuf maatiin kee maaliin safarsiifatu?***Hubadhu***☞ *Yuunitiin safara dhangala'oo liitirii jedhama.*☞ *Liitirriin gabaabaatti jedhamee barreeffama.*

Fakkeenya 2



$$7\ell + 16\ell = 23\ell$$

GILGAALA 3.3

1 *Kanneen armaan gadii ida'i.*

a $41\ell + 40\ell = \underline{\hspace{2cm}}$

b $80\ell + 8\ell = \underline{\hspace{2cm}}$

c $47\ell + 42\ell = \underline{\hspace{2cm}}$

d $52\ell + 29\ell = \underline{\hspace{2cm}}$

e $17\ell + 49\ell = \underline{\hspace{2cm}}$

2 *Kanneen armaan gadii hir'isi.*

a $17\ell - 2\ell = \underline{\hspace{2cm}}$

b $25\ell - 19\ell = \underline{\hspace{2cm}}$

c $42\ell - 39\ell = \underline{\hspace{2cm}}$

d $74\ell - 56\ell = \underline{\hspace{2cm}}$

e $80\ell - 40\ell = \underline{\hspace{2cm}}$

3 Angaatuun wiixata gaazii liitirii 15, kibxata liitirii 25 fi Roobii liitirii 18 gurgurte. Walumatti gaazii liitirii meeqa gurgurte?

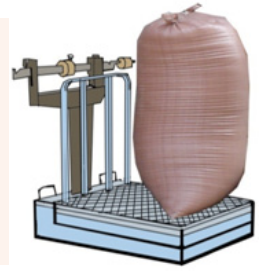
4 Saani tokko guyyatti aannan liitirii 4 elmamti yoo ta'e guyyoota 20 keessatti hammam elmamti?

5 Maatiin tokko ji'atti zaayitii liitirii 7 ittoo hojjechuuf barbaada. Zaayitii liitiriin 63 yeroo hammamiif maaticha ga'a?

3.4 HANGA KIILOO GIRAMIIN SAFARUU

GOCHA 3.4

- a Mana daakuutti hanga midhaanii maaliin safarama?
- b Hanga kee hammami?



Hubadhu

- Yuunitiin safara hangaa kiiloo giraamii jedhama.
- Kiiloo giraamii gabaabsinee yommuu barreessinu kg jenneeti.

Fakkeenya 3



$$18 \text{ kg} + 12 \text{ kg} = 30 \text{ kg}$$

Fakkeenya 4



$$46 \text{ kg} - 24 \text{ kg} = 22 \text{ kg}$$

GILGAALA 3.4**1 *Kanneen armaan gadii ida'i.***

- a** $17\text{kg} + 18\text{kg} = \underline{\hspace{2cm}}$
- b** $32\text{kg} + 27\text{kg} = \underline{\hspace{2cm}}$
- c** $18\text{kg} + 45\text{kg} = \underline{\hspace{2cm}}$
- d** $27\text{kg} + 27\text{kg} = \underline{\hspace{2cm}}$
- e** $47\text{kg} + 34\text{kg} = \underline{\hspace{2cm}}$
- f** $87\text{kg} + 10\text{kg} = \underline{\hspace{2cm}}$

2 *Kanneen armaan gadii hir'isi.*

- a** $76\text{kg} - 4\text{ kg} = \underline{\hspace{2cm}}$
- b** $14\text{kg} - 8\text{ kg} = \underline{\hspace{2cm}}$
- c** $80\text{kg} - 39\text{ kg} = \underline{\hspace{2cm}}$
- d** $32\text{kg} - 27\text{ kg} = \underline{\hspace{2cm}}$
- e** $47\text{kg} - 34\text{ kg} = \underline{\hspace{2cm}}$
- f** $57\text{kg} - 39\text{ kg} = \underline{\hspace{2cm}}$

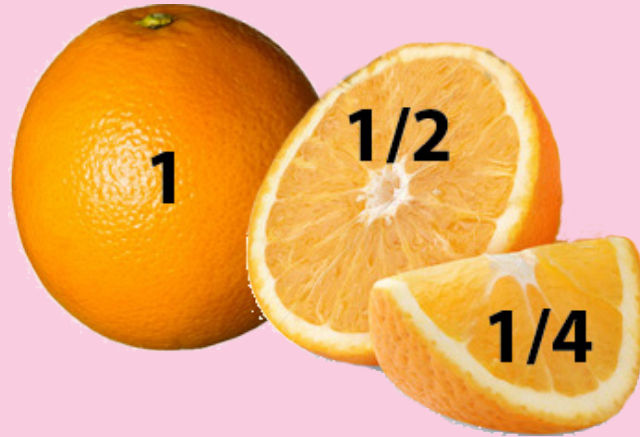
3 *Aadde Jaalanneen gabaa ba'anii qamadii 25 kg, xaafii 56 kg fi boqqolloo 23 kg bitani. Aadde Jaalanneen:*

- a** boqqolloo fi qamadii walitti hammam bitani?
- b** xaafii fi qamadii walitti hammam bitani?
- c** xaafii fi boqqolloo walitti hammam bitani?

4 *Barataan sicinaa taa'u kg meeqa ulfaata? Ati hoo hammam ulfaatta? Atii fi barataan sicinaa hammam wal caalaa ulfaattu?*

Boqonnaa

4



SEENSA

FIRAAKSHINOOTAA

4.1 KEESSA DEEBII WALAKKAAWWANII, KURMAANOTAA FI SIISOOWWANII

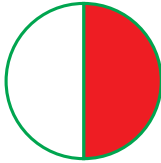
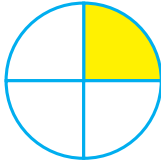
GOCHA 4.1

- a Burtukaana tokko iddoo walqixa lamatti qooduun isa tokko yoo nyaatte harka meeqatu hafa?
- b Kurmaanni harka meeqa? Siisoo hoo?

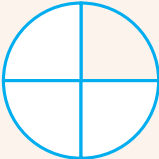
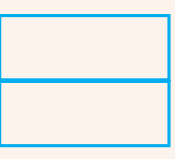
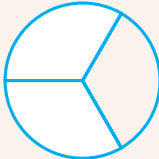
Hubadhu

- *Walakkaan kan argamu waan guutuun tokko bakka walqixa lamatti yoo qoodame dha .*
- *Siisoo kan argannu waan guutuu tokko bakka walqixa sadiitti yoo qoodne dha.*
- *Kurmaana kan argannu waan guutuu tokko bakka walqixa afuritti yoo qoodne dha.*

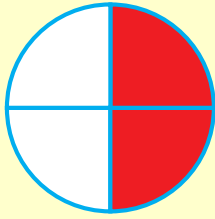
Fakkeenya 1

a	Kan dibame walakkaa dha.	
b	Kan dibame kurmaana dha.	
c	Kan dibame siisoo dha.	

GOCHA 4.2

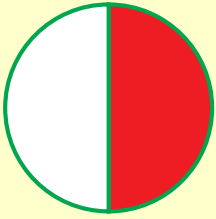
1		2		3	
	Kurmaana dibi		Walakkaa dibi		Siisoo dibi

Fakkeenya 2



Kurmaanonni 2

=



Walakkaa 1

Kurmaana + Kurmaana = Walakkaa

GILGAALA 4.1

1 *Kanneen armaan gadii furi.*

a Kurmaana + Kurmaana + Kurmaana + Kurmaana = _____

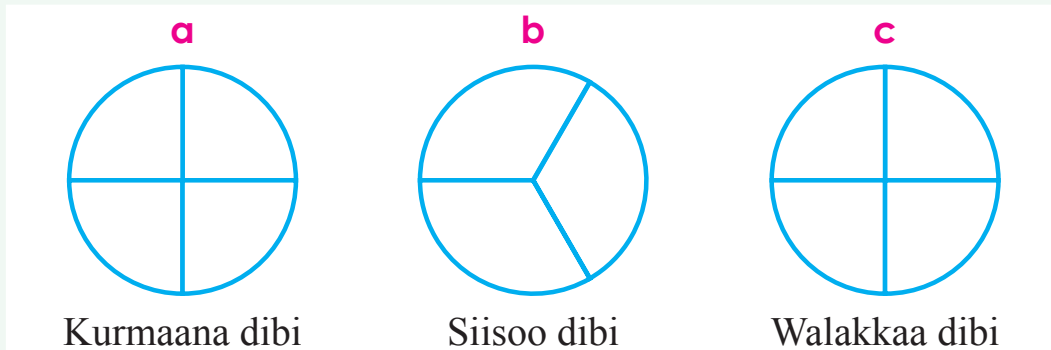
b Siisoo + Siisoo + Siisoo = _____

2 *Kanneen armaan gadii hir'isi.*

a Guutuu – Siisoowwan 2 = Siisoo b Guutuu – Walakkaa = _____

c Walakkaa – Kurmaana = _____ d Guutuu – Kurmaanota 3 = _____

3 Danaalee armaan gadii irratti hamma jalatti barreeffame dibi.



4 Himoota armaan gadii “< ” yookiin “= ” yookiin “>” bakka duwwatti barreessuun dhugoomsi.

a Walakkaa _____ Guutuu b Kurmaana _____ Siisoo

c Siisoo _____ Walakkaa d Kurmaana _____ Walakkaa

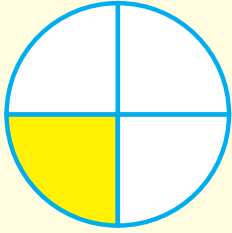
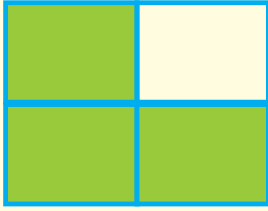
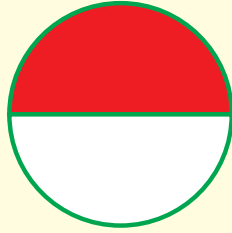
e Guutuu _____ Siisoo f Kurmaana _____ Guutuu

4.2 GUUTUUWWANII FI FIRAASHINOOTAA MALLATTOOLEEN

GOCHA 4.3

- a Walakkaawwan 2 guutuu meeqa ta'a?
- b Siisoowwan 3 guutuu meeqa ta'a?
- c Kurmaanonni 4 guutuu meeqa ta'a? Gareedhaan irratti mar'adhaa.

Fakkeenya 3

a	b	c
		
Kan dibame = $\frac{1}{4}$	Kan dibame = $\frac{3}{4}$	Kan dibame = $\frac{1}{2}$

Hubadhu

- Walakkkaan yommuu mallattoon barreeffamu $\frac{1}{2}$ ta'a.
- Siisoon yommuu mallattoon barreeffamu $\frac{1}{3}$ ta'a.
- Kurmaanni yommuu mallattoon barreeffamu $\frac{1}{4}$ ta'a.
- Siisoowwan 2 yommuu mallattoon barreeffamu $\frac{2}{3}$ ta'u.
- Kurmaanonna 3 yommuu mallattoon barreeffamu $\frac{3}{4}$ ta'u.

GILGAALA 4.2

- 1 Kurmaanota 2 mallattoon barreessi.
- 2 Guutuu tokko keessa $\frac{1}{2}$ meeqatu jira?
- 3 Guutuu tokko keessa $\frac{1}{3}$ meeqatu jira?
- 4 Guutuu tokko keessa $\frac{1}{4}$ meeqatu jira?
- 5 Danaa geengoo 3 ijaaruun isa tokkoffaa bakka walqixa 2tti, isa lammaffaa bakka walqixa 3tti fi isa sadaffaa bakka walqixa 4tti qooduun agarsiisi.

Boqonnaa

5

99 209 782 1000
250 + 7 = 257
1 600 999

LAKKOOF SOTA HUNDAA
HAMMA 1000TTI

5.1 BAAY'ATTOOTA 100

GOCHA 5.1

- a $100 \times 2 = \underline{\hspace{2cm}}$
- b 300, 400, 500 fi 600 daree keessatti dubbisi.
- c Lakkoofsota akka 100,200,400,500 fi kkf ida'ama baay'atoota 100 tiin ibsi.

Fakkeenya 1

a $100 \times 3 = \underline{\hspace{2cm}}$.

Deebii:

$$\begin{aligned} 100 \times 3 &= 100 + 100 + 100 \\ &= 300. \end{aligned}$$

Kanaafuu, 300 baay'ataa 100ti.

b $100 \times 4 = \underline{\hspace{2cm}}$.

Deebii:

$$100 \times 4 = 100 + 100 + 100 + 100$$

$$= 400.$$

Kanaafuu, 400 baay'ataa 100ti.

GILGAALA 5.1

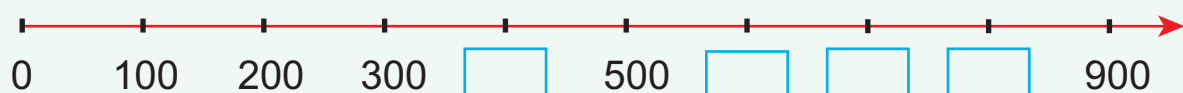
1 *Baay'attoota 100 bakka duwwaatti guuti.*

×	1	2	3	4	5	6	7	8	9	10
100	100				500			800		

2 *Lakkoofsota armaan gadii jechaan barreessi.*

T.L.	Lakkoofsa	Jechaan
a	100	
b	200	Dhibba lama
c	300	
d	400	
e	500	Dhibba shan
f	600	
g	700	
h	800	
i	900	
j	1000	Kuma tokko

3 *Saanduqa duwwaa guuti.*



4 Siddiseen haadha ishee irraa qarshii 300 fi abbaa ishee irraa qarshii 200 fudhatte. Walitti qarshii meeqa argatte?

5 *Baay'attoota 100 armaan gadii ida'ama baay'attoota 100tiin barreessi.*

a $200 = \underline{\hspace{2cm}} + \underline{\hspace{2cm}}$

b $600 = 200 + \underline{\hspace{2cm}}$

c $700 = 300 + \underline{\hspace{2cm}}$

d $800 = \underline{\hspace{2cm}} + 600$

e $900 = 400 + \underline{\hspace{2cm}}$

f $1000 = 700 + \underline{\hspace{2cm}}$

5.2 LAKKOOFSA HUNDAA 101 HAMMA 1000 FI GATII BAKKAA ISAANII

GOCHA 5.2

1 Lakkoofsa 972 keessatti gatiin bakkaa kan 9, 7 fi 2 meeqa akka ta'e gareedhaan irraatti mari'adhaa.

2 Lakkoofsa 215 keessatti gatiin bakkaa kan 2, 1 fi 5 meeqa ta'a?
Gareedhaan irraatti mari'adhaa.

3 Abaakasitti fayyadamuun gatii bakkaa lakkoofsota arman gadii ibsi.

a 713

b 935

c 345

d 833

e 457

f 112

Fakkeenya 2

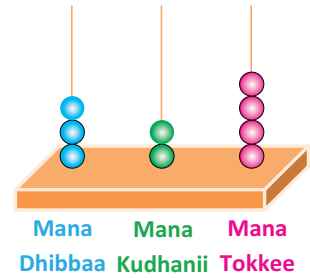
Lakkoofsa 486 keessatti gatiin bakkaa 4, 8 fi 6 meeqa?

Deebii: Gatiin bakkaa 4 dhibba, gatiin bakkaa 8 kudhanii fi gatiin bakkaa 6 tokkeedha.

Kanaafuu, 486 yoo dubbifnu dhibba afurii fi saddeettamii ja'a jennee ti.

Fakkeenya 3

Abaakasiin gara bitaatti kenname gatii bakkaa irratti hundaa'ee qophaa'e. Gatii bakkaa tokkee keessaa calleewwan 4, gatii bakkaa kudhanii keessa calleewwan 2 fi gatii bakkaa dhibbaa keessa calleewwan 3 kaawwamaniiru.



Kanaafuu, $324 = 300 + 20 + 4$

GOCHA 5.3

Kan armaan gadii ida'i.

+	1	2	3	4	5	6	7	8	9
100									
200									
300									
400									
500									
600									
700									
800									
900									

GILGAALA 5.2

1 *Lakkoofsota armaan gadii akka ida'ama baay'ataa 100 fi lakkoofsa dijiitii Itti barreessi.*

a $307 = \underline{300} + \underline{7}$

b $309 = \underline{\quad} + \underline{\quad}$

c $402 = \underline{\quad} + \underline{\quad}$

d $906 = \underline{\quad} + \underline{\quad}$

e $408 = \underline{\quad} + \underline{\quad}$

f $503 = \underline{\quad} + \underline{\quad}$

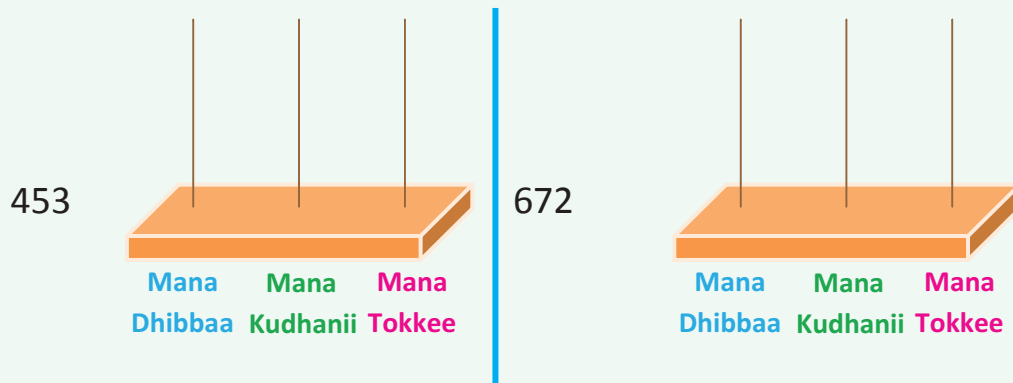
g $501 = \underline{\quad} + \underline{\quad}$

h $604 = \underline{\quad} + \underline{\quad}$

2 Lakkoofsota armaan gadii jechaan barreessi.

T.L.	Lakkoofsa	Jechaan
a	408	Dhibba afurii fi saddeeti
b	506	
c	709	
d	802	
e	904	
f	342	Dhibba sadii fi afurtamii lama
g	438	
h	532	
i	656	
j	795	

3 Lakkoofsota kennaman calleetti fayyadamuun abaakasii irratti gatii bakkaatiin ibsi.



4 Lakkoofsota armaan gadii gatii bakkaatiin ibsi.

T.L.	Lakkoofsa	Mana Dhibbaa	Mana Kudhanii	Mana Tokkee
a	359	3	5	9
b	463			
c	572			
d	685			
e	746			
f	831			
g	924			

5.3 TARTIIBA LAKKOOF SOTA HUNDAA HAMMA 1000TTI

Hubadhu

105 106 107 108 109 110

- 107 itti fufaa 106ti. Kanaafuu, $107 > 106$ ti.
- 108 dursaa 109ti. Kanaafuu, $108 < 109$ ti.
- Lakkoofsonni 105 fi 110 gidduu jiran 106, 107, 108 fi 109.

Fakkeenya 4

- a Lakkoofsonni hundaa 203 fi 210 gidduu jiran 204, 205, 206, 207, 208 fi 209 dha.
- b $309 < 412$
- c $598 = 598$

GOCHA 5.3

Lakkoofsota hundaa isaan lamaan kennaman gidduutti argaman xiyya lakkoofsaa irratti mul'isi.

- | | |
|--------------------------|--------------------------|
| 1 100 fi 105 gidduu | 2 203 fi 208 gidduu |
| 3 500 fi 506 gidduu | 4 607 fi 612 gidduu |

GILGAALA 5.3

- 1 *Baay'attoota 100 isaan hamma 1000tti jiran xiyya lakkoofsaa irratti mul'isi.*
- 2 *Xiyya lakkoofsaatti fayyadamuun himoota armaan gadii mallattoolee "<" yookiin ">" yookiin "=" bakka duwwaatti barreessuun dhugoomsi.*

a 204 ___ 206

b 408 ___ 408

c 536 ___ 436

d 782 ___ 814

e 695 ___ 543

f 115 ___ 220

g 236 ___ 146

h 486 ___ 512

i 942 ___ 887

j 800 ___ 900

3 Itti fufaa lakkoofsota armaan gadii barbaadi.

a 24

b 126

c 158

d 289

e 765

f 864

4 Dursaa lakkoofsota armaan gadii barbaadi.

a 43

b 157

c 213

d 432

e 678

f 981

5 Lakkoofsota hundaa lakkoofsota lamaan kennaman gidduu jiran tarreessi.

a 108 fi 114

b 245 fi 255

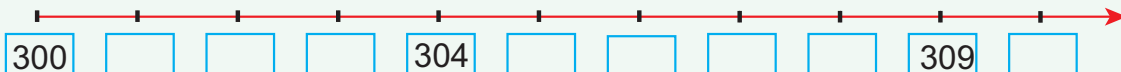
c 361 fi 367

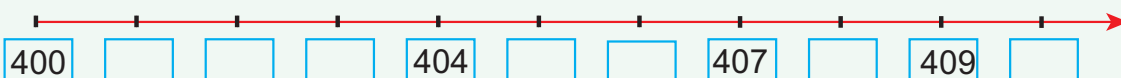
d 456 fi 463

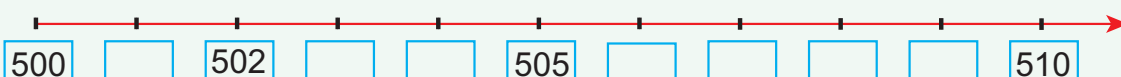
e 534 fi 540

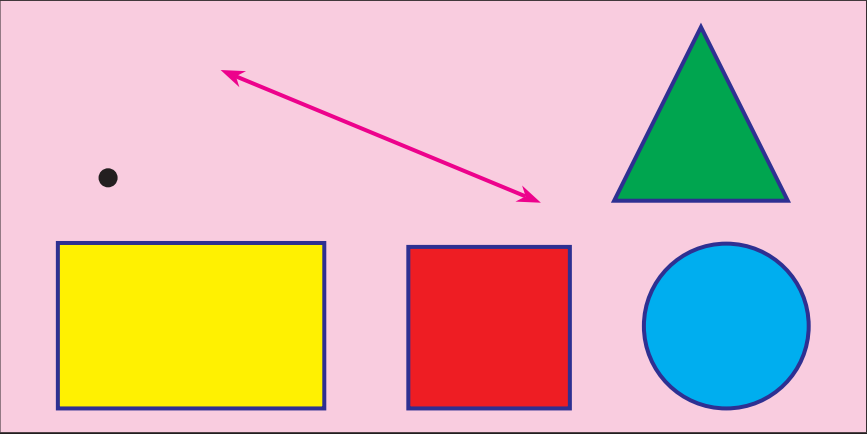
f 782 fi 788

6 Saanduqa duwwaa guuti.

a 

b 

c 

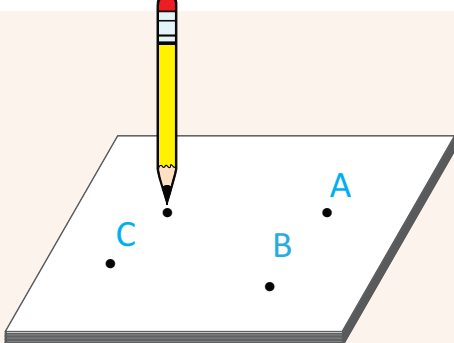
Boqonnaa 6	
TUQAALÉE, SARAROOTAA FI BOCOOTA	

6.1 SARARTUUTTI FAYYADAMUUN SARARA FAKKEESSUU

GOCHA 6.1

Dabtara kee irratti fiixee qubeessaatiin waraqaa tuqi. Mallattoon waraqaa irratti mul'atu tuqaa jedhama.

Tuqaalee argatte qubee A, B fi Cn moggaasi.

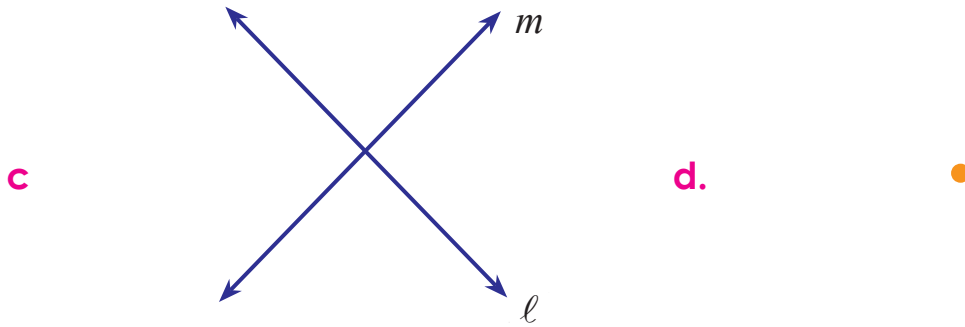


Fakkeenya 1

Tuqaalee fi sararoota

Danaalee armaan gadii ilaali.

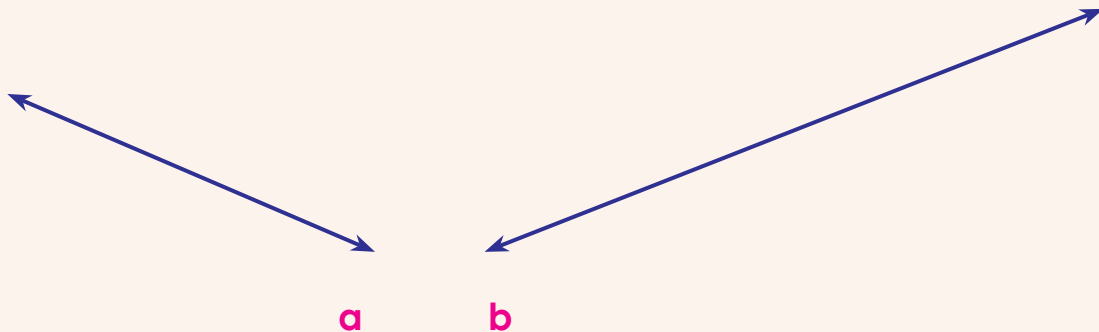




- 1 Sararri (a) irratti argamu sarara qajeelaa jedhama. Sararri kun ℓ jedhamee waamama.
- 2 Sararoonni (c) irratti kennaman sararoota walqaxxamuraa jedhamu.
- 3 Danaan (d) irratti kenname tuqaa dha.
- 4 Sararri (b) irratti kenname sarara jallaa jedhama.

GOCHA 6.2

- 1 *Sararoota armaan gadii moggaasi.*



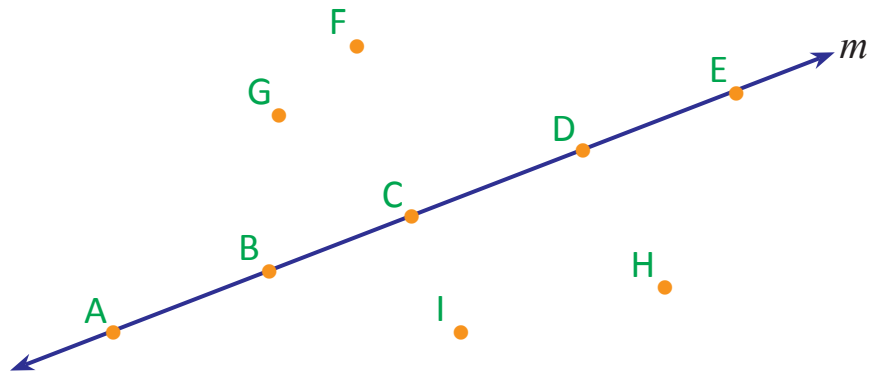
- 2 Sarartuutti gargaaramuun sarara qajeelaa dabtara kee irratti hojjadhu.
- 3 Sarara qajeelaa tuqaa A fi tuqaa B armaan gadii keessa ba'u dabtara kee irratti fakkeessi.

A

B

Fakkeenya 2

Sarara m armaan gadii ilaali.



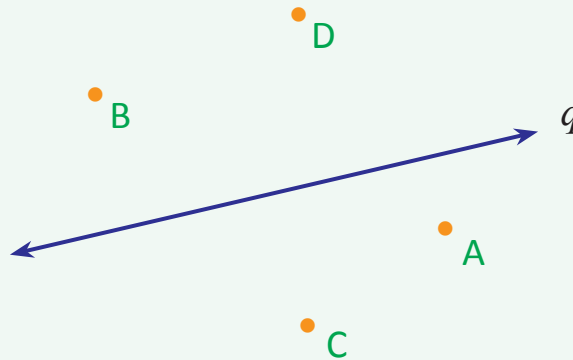
- Tuqaaleen A, B, C, D fi E sarara “m” irratti argamu.
- Tuqaaleen F fi G’n sarara “m” irraa gara oliitti argamu.
- Tuqaaleen H fi I’n sarara “m” irraa gara gadiitti argamu.

GILGAALA 6.1

1 Sararoota armaan gadii keessaa kanneen sararoota qajeeloo ta’an isaan kami?

a		b	
c			

2 Gaaffilee armaan gadii danaalee kennaman irratti hundaa’uun deebisi.



- a Sararri kenname sarara _____ jedhama.
- b _____ fi _____ tuqaalee sarara q irraa gara oliitti argamani dha.
- c _____ fi _____ tuqaalee sarara q irraa gara gadiitti argamani dha.
- 3 Sarartuu fi qubeessaatti fayyadamuun sararoota qajeeloo walqaxxaamuran lama fakkeessi. Tuqa isaan irratti walqaxxaamuran qubee “E” dhaan moggaasi.
- 4 Sarartuutti fayyadamuun sarara qajeelaa tuqaa A fi tuqaa B keessa dabru fakkeessi.

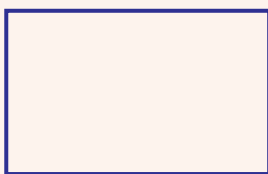
A

B

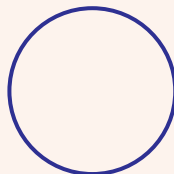
6.2 REKTAANGILOOTA, ROGSADDEWWAN, ISKUWEEROTA, GEENGOOWWANII FI BOCAALEE

HOJII GAREE

- 1 *Danaalee armaan gadii rektaangilii, rogsadee, iskuweerii fi geengoo jechuun addaan baasi.*



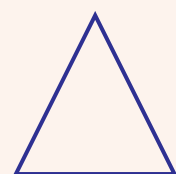
a



b



c

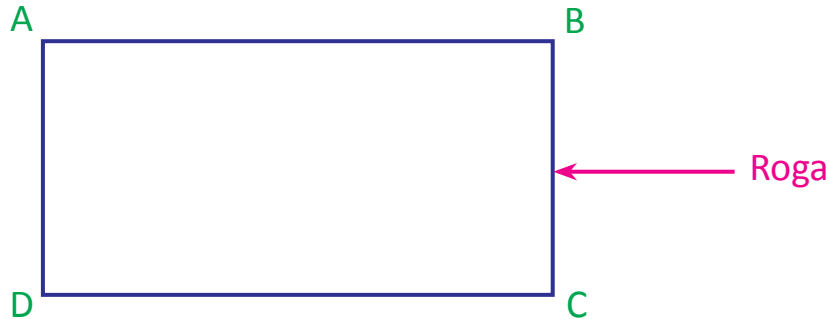


d

- 2 Naannoo kee keessaa wantoota bocoota armaan olii wajjiin walfakkaatan tarreessi.

6.2.1 REKTAANGILII

Rektaangiliin rogoota afur qaba. Rogoonni waliif fuullee ta'an lamaan walqixa. Fakkeenyaaf, danaan armaan gadii rektaangiliidha.

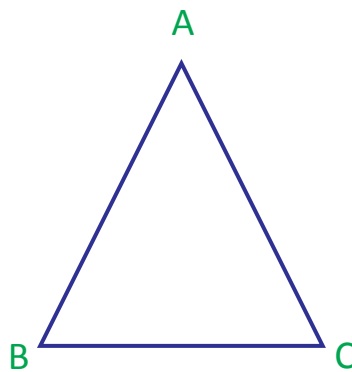


Rektaangiliin armaan olii kun rektaangilii **ABCD** jedhamee waamamuu danda'a.

Karaa biraas, rektaangilii BCDA, DCBA, CBAD jedhamee moggaafamuus ni danda'a.

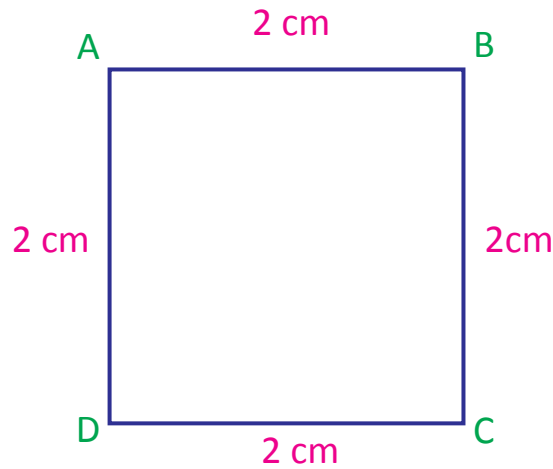
6.2.2 ROGSADEE

Rogsadeen rogoota sadii qaba. Danaan armaan gadii kun rogsadee jedhama. Rogsadee **ABC** jedhamee waamama. Kanas mallattoon $\triangle ABC$ jennee barreessina. Moggaasotni isaas $\triangle BCA$, $\triangle CBA$, $\triangle CAB$ jedhamuu danda'a.



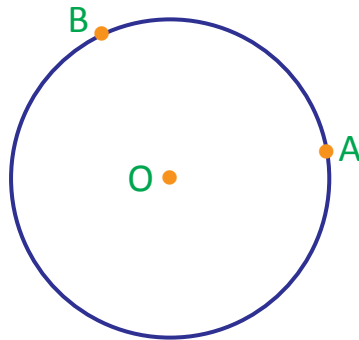
6.2.3 ISKUWEERII

Iskuweeriin rogoota afur qaba. Rogootni hunduu dheerina walqixa qabu.



Danaan armaan olii iskuweeriidha. $\overline{AB}$, $\overline{AD}$, $\overline{CD}$ fi $\overline{BC}$ rogoota iskuweerii kanaati. Roogootni kun arfanuu dheerina walqixa ta'e qabu. Iskuweerichi yoo waamamu, iskuweerii ABCD jedhameeti. Iskuweerii kana BCDA, DCBA, ADCB, CDAB keessaa tokkoon moggaasuus dandeenya.

6.2.4 GEENGOO



Danaan armaan olii geengoo jedhama. “O”n handhuura geegichaati. A fi B’n tuqaalee geengoo irratti argamani.

Geengoon kun yoo waamamu geengoo ‘O’ jedhama.

GILGAALA 6.2

- 1 *Danaalee armaan gadii roga “A” jalatti tarreeffaman maqaa isaanii isaan roga “B” jalatti tarreeffaman waliin walitti firoomsi.*

“A”“B”

1.1



a. Iskuweerii

1.2



b. Geengoo

1.3



c. Rogsadee

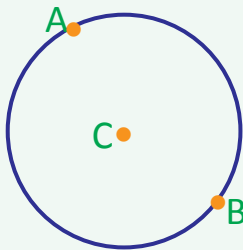
1.4



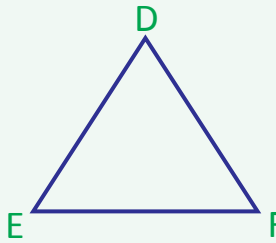
d. Rektaangilii

- 2 Sarartuutti fayyadamuun rektaangilii, rogsadee fi iskuweerii fakkeessi. Wantoota boca geengoo qabanitti fayyadamuun immoo geengoo fakkeessi.

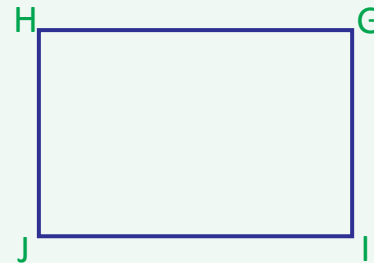
- 3 *Danaalee armaan gadii ilaaluun gaaffilee dhiyaatan deebisi.*



a



b



c

- a Rogsadeen (b) irratti kenname rogsadee _____ jedhama.
 b Rogonni rogsadee (b) irratti kennamee _____, _____ fi _____ dha.
 c Geengoon (a) irratti kenname geengoo _____ jedhama.
 d Handhuurri geengoo (a) irratti kannamee _____ dha.
 e Rektaangiliin (c) irratti kenname rektaangilii _____ jedhama.
 f Rogoonni rektaangilii (c) irratti kennamee _____, _____, _____ fi _____ dha.

Boqonnaa

7



MAALLAQA ITOOPHIYAA

7.1 MAALLAQA IDA'UU FI HIR'ISUU

Yaadadhu

- *Qarshiin 1 = Saantima 100*
- *Qarshiin 1 = Dinaara abbaa Saantima 10n 10*
- *Qarshiin 1 = Dinaara abbaa saantima 25n 4*
- *Qarshiin 1 = Dinaara abbaa saantima shantamaa 2*
- *Qarshiin 1 = Dinaara abbaa saantima shanii 20*

GOCHA 7.1

Kanneen armaan gadii ida'i.

a

		
Qarshii _____ + Qarshii _____ + Qarshii _____ = Qarshii _____		

b

			
Saantima _____	Saantima _____	Saantima _____	Saantima _____

Fakkeenya 1

			
Qarshii 30	+	Qarshii 20	= Qarshii 50

Fakkeenya 2

			
Saantima 50	+	Saantima 15	= Saantima 65

GILGAALA 7.1

1 *Ida'i*

- Qarshii 23 + Qarshii 25 = Qarshii _____
- Qarshii 50 + Qarshii 35 = Qarshii _____
- Qarshii 20 + Qarshii 52 = Qarshii _____
- Qarshii 45 + Qarshii 5 = Qarshii _____
- Saantima 23 + Saantima 25 = Saantima _____
- Saantima 75 + Saantima 15 = Saantima _____
- Saantima 55 + Saantima 40 = Saantima _____

2 Hir'isi

- a** Qarshii 40 - Qarshii 20 = Qarshii _____
- b** Qarshii 100 - Qarshii 25 = Qarshii _____
- c** Qarshii 35 - Qarshii 15 = Qarshii _____
- d** Qarshii 56 - Qarshii 44 = Qarshii _____
- e** Saantima 65- Saantima 25 = Saantima _____
- f** Saantima 55-Saantiima 20 = Saantima _____
- g** Saantima 44- Saantiima 26 = Saantima _____

7.2 BITTAA FI GURGURTA**GOCHA 7.2**

- 1** Gatiin saamunaa 1 qarshii 5 fi saantima 50 yoo ta'e, gatiin saamunoota 4 meeqa ta'a?
- 2** Wantoota maatiin kee gabaadhaa bitan tarreessi.

GILGAALA 7.2

- 1** Gatiin daabboo tokkoo qarshii 1 fi saantima 25 yoo ta'e, gatiin shaayii tokkoo saantima 75 yoo ta'e, walitti gatiin daabboo fi shaayii hammami?
- 2** Gatiin saamunaa tokkoo qarshii 5 fi saantiima 50 yoo ta'e, saamuna 1 bittuuf qarshii 10 yoo abbaa suuqiitti kennite, qarshii meeqatu siif deebi'a?
- 3** Gatiin sukkaara 1kg qarshii 16 yoo ta'e, sukkaarri 2kg qarshii meeqa baasa?
- 4** Garee gareedhaan ta'uun modeelota dinaarotaa fi noottota maallaqa Itoophiyaa hojjechuun wantoota adda addaa walirraa bituun akka itti danda'amu daree keessatti agarsiisi. Garee keessan keessaa kan waa bituu fi waa gurguru moggaasuu qabdu.

Boqonnaa

8



YEROO

8.1 YEROO SA'AATIIN, WALAKKAA SA'AATII FI KURMAANA SA'AATIIN HIMUU

GOCHA 8.1

- 1 Ganama sa'aatii meeqatti gara mana barumsaa deemta?
- 2 Barumsi ganama sa'aatii meeqatti eegala?
- 3 Mana barumsaa keetii hamma manaatti sa'aatii meeqa deemta?

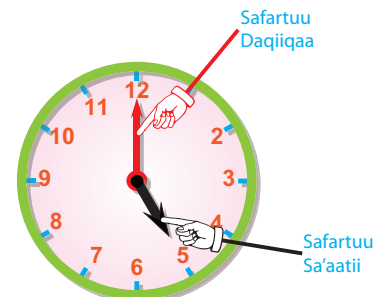
MODEELOTA SAFARA SA'AATII

- 1 Kan gara mirgaa fakkii meeshaa sa'aatii ittiin safarruu dha.

Meeshichis sa'aatii jedhama.

Meeshaa kana irratti xiyya gabaabaa furdaa fi xiyya qallaa dheeraatu mul'ata.

- xiyyi dheeraan daqiiqaa agarsiisa.
- xiyyi gabaabaan sa'aatii agarsiisa.



2 Kan gara mirgaa fakkii meeshaa safara sa'aatiiti.

Kana irraa sa'aatii himuuf dubbisuu qofa. Fakkeenyaaf fakkii kenname irratti 6:00 agarsiisa. Yommuu dubbifamus, sa'aatii ja'a jedhameeti.



Fakkeenya 1

Meeshaa kenname irratti xiyyi sa'aatii gara 5 agarsiisa. Kan daqiiqaa immoo 12 agarsiisa.

Kunis sa'aatii 5 agarsiisa.

yommuu
dubbifamu

Sa'aatii 5

Yommuu
barreeffamu



5 : 00

Sa'aatii Daqiiqaa

Hubadhu

Xiyyi sa'aatiis ta'ee kan daqiiqaa bitaa irraa gara mirgaatti naanna'u. Bakki ka'umsa isaanii 12 irraati. Xiyyi daqiiqaa 12 irraa gara 1 tti yoo naanna'e, daqiiqaa 5 adeeme. 12 irraa gara 3tti yoo naanna'e daqiiqaa 15 adeeme. Lakkoofsota walitti aanan lamaan jidduu daqiiqaa 5tu jira.

Fakkeenya 2

xiyyi sa'aatii 2 agarsiisa. Kan daqiiqaa immoo 3 agarsiisa.

Kanaafuu, daqiiqaan $3 \times 5 = 15$ agarsiisa.

Kunis, sa'aatii 2 fi kurmaana jedhama.

Yoo
dubbifamus

Sa'aatii lamaa
fi kurmaana

Yoo barreeffamu



2 : 15

Fakkeenya 3

Xiyyi sa'aatii 3 irra dabree agarsiisa. Kan daqiiqaa immoo 6 agarsiisa. Kanaafuu, daqiiqaa $6 \times 5 = 30$.

Kunis sa'aatii 3 fi walakkaadha.

Yoo
dubbifamus

Sa'aatii sadii
fi walakkaa

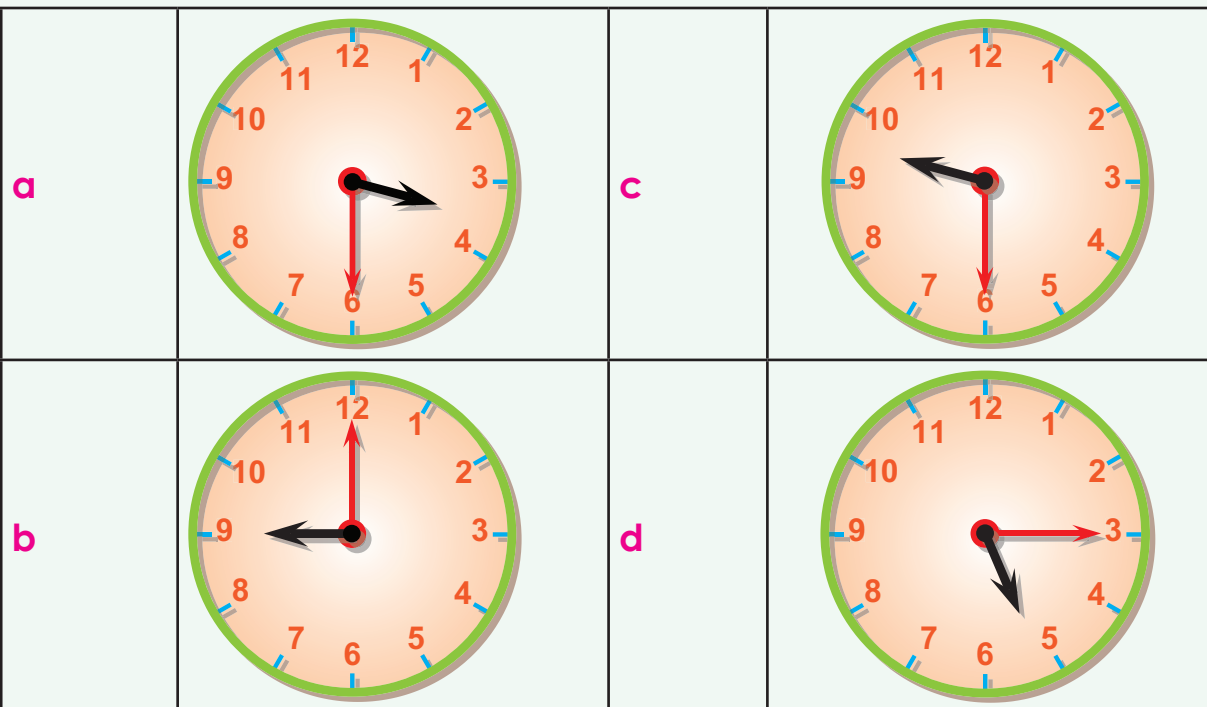
Yoo
barreeffamu



3:30

GILGAALA 8.1

- 1 *Fakkiiwwan sa'aatii armaan gadii sa'aatii meeqaa fi daqiiqaa meeqa akka agarsiisan barreessi.*



2 Yeroo kenname xiyyoota sa'aatii fi daqiiqaa hojjechuun agarsiisi.

a 12:00



b 4:15



c 5:30



d 8:00



3 Walitti Firoomsii.

1 5:15

A



2 9:30

B



3 5:00

C



4 2:15

D



5 3:30

E

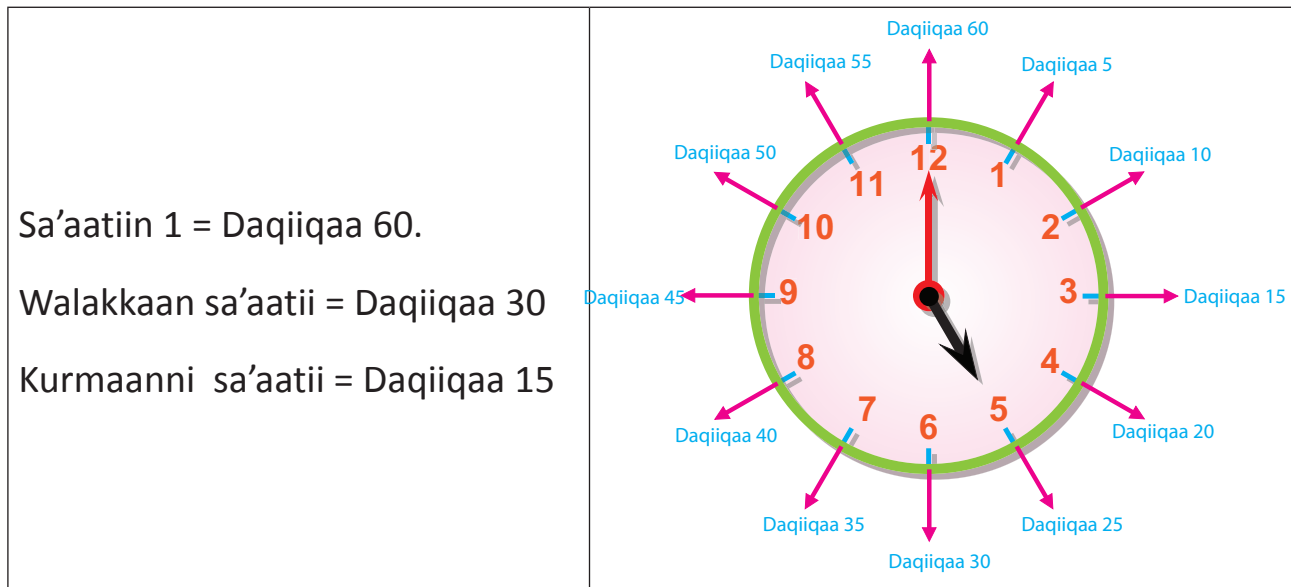


8.2 SA'AATII FI DAQIIQAA

GOCHA 8.2

Sa'aatii 1 keessa daqiiqaa meeqatu jira?

Sa'aatii fi daqiiqaan yuunitoota safara yerooti.



GILGAALA 8.2

1 *Kanneen armaan gadii daqiiqaa meeqa meeqa ta'u?*

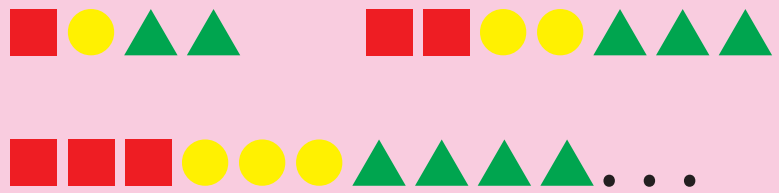
- a Sa'aatiin 1 = Daqiiqaa _____.
- b Sa'aatii Walakkaan = Daqiiqaa _____.
- c Sa'aatii Kurmaanni = Daqiiqaa _____.

2 *Bakka duwwaa guuti*

- a Daqiiqaan 60= Sa'aatii _____.
- b Daqiiqaan 30= _____ Sa'aatii.
- c Daqiiqaan 15= _____ Sa'aatii.

Boqonnaa

9

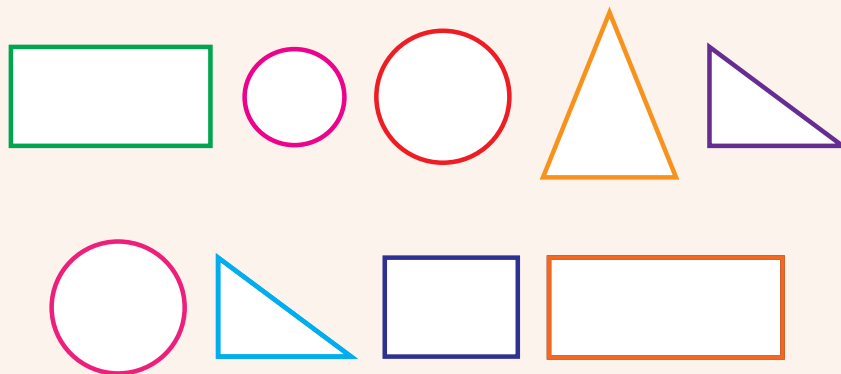


QABANNAA DAATAA FI
PAATARNII

9.1 DAATAA SASSALPHOO

GOCHA 9.1

Danaalee armaan gadii ilaali.



Danaalee armaan olii ilaaluun baay'ina bocaalee guuti.

T.L	Bocaalee	Baayina
1	Geengoo	
2	Rektaangilii	
3	Iskuweerii	
4	Rogsadee	

GILGAALA 9.1

1 *Daataa qabxii samiistera Iffaa'tti argattee gabatee armaan gadii irratti guuti.*

Lakk.	Gosa Barnootaa	Qabxii 100 Keessaa
1	Afaan Oromoo	
2	Herrega	
3	Saayinsii Naannoo	
4	Esteetiksii	

2 *Maqaa hiriyyoota kee 5 gabatee armaan gadii irratti guuti..*

Lakk.	Maqaa	Saala	Kutaa hiriyyaa keetii
1			
2			
3			
4			
5			

9.2 PAATARNII SASSALPHOO

GOCHA 9.2

- 1 Bocaalee geengoo, iskuweerii fi rektaangilii naannoo keessanitti argamu fiduun tartiiba garaagaratiin kaa'i.
- 2 Bakka duwwaa guuti.
 - a 7, 14, 21, __, __, __.
 - b ○□□, ○○□□□, _____, _____.

Fakkeenya 1

1 1, 3, 5, 7, x, y ... Gatiin x fi y meeqa?

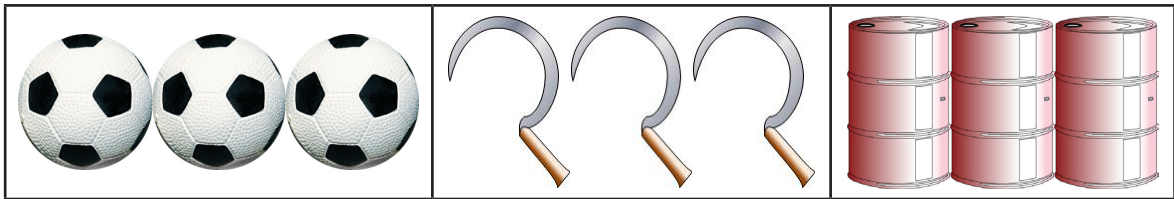
Deebii:

$$x = 7 + 2 = 9, y = 9 + 2 = 11.$$

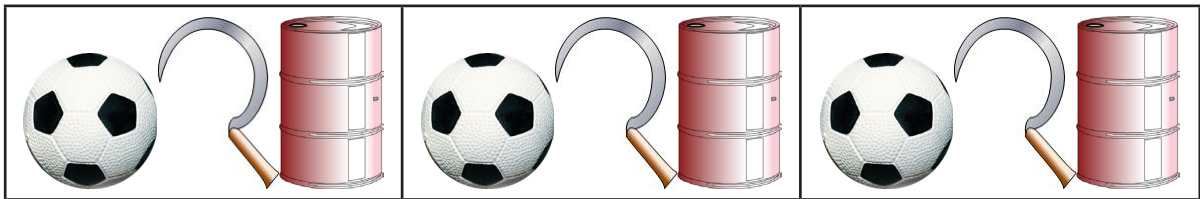
2 Meeshaalee armaan gadii haala itti aanuun teechisuu dandeenya

Kubbaa, haamtuu fi barmeela haa fudhannu.

a Tokko tokkoon yommuu taa'an



b Walitti yommuu makamanii taa'an



GILGAALA 9.2

Bakka duwwaa armaan gadii guuti.

1 2, 4, 6, _____, _____, _____.

2 ○○, □□□, ○○, □□□, _____, _____.

3 4, 8, 12, _____, _____, _____.

4 △△□, △△△□□, _____, _____, _____.

5 3, 6, 9, _____, _____, _____.

BARNOOTA HERREGAA

Kitaaba Barataa Kutaa 2

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Ministeera Barnootaa**

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