

Boqonnaa

1

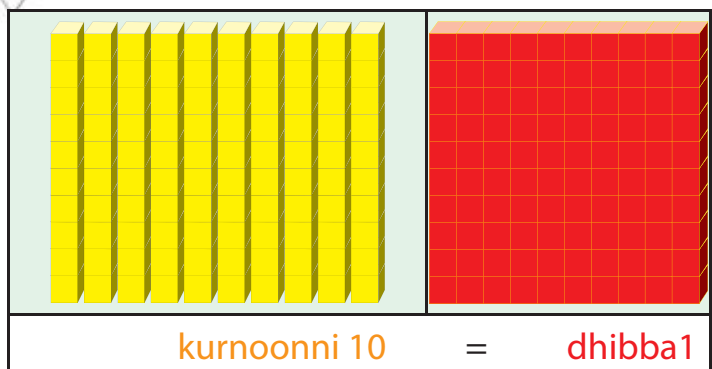
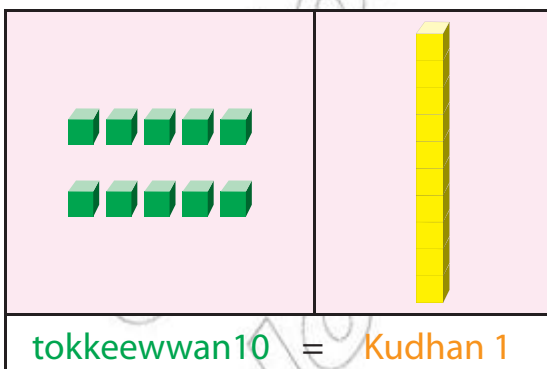
99 209 782 1000
250 + 7 = 257
1 600 999

LAKKOOFSA HUNDAA HAMMA 10,000TTI JIRANII FI TARTIIBA ISAANII

1.1 KEESSA DEEBII LAKKOOFSA HUNDAA HAMMA 1000TTI JIRANII

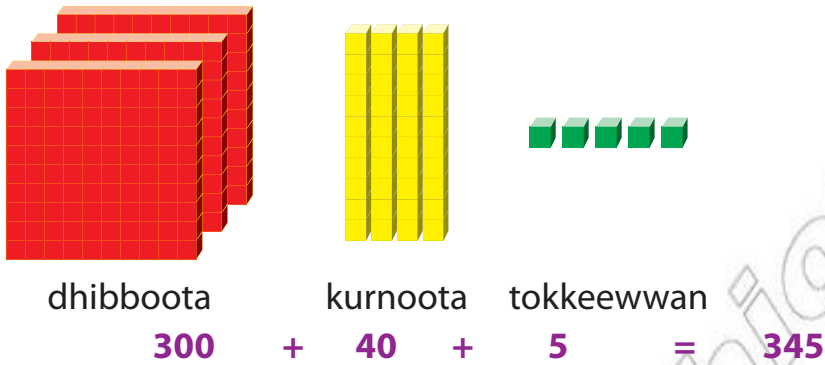
1.1.1 Lakkoofsa hundaa hamma 1000tti jiran

Dhibboota, Kurnootaa fi tokkeewwan



Gocha 1

1 *Dhibboota, Kurnootaa fi tokkeewwan meeqa qaba?*



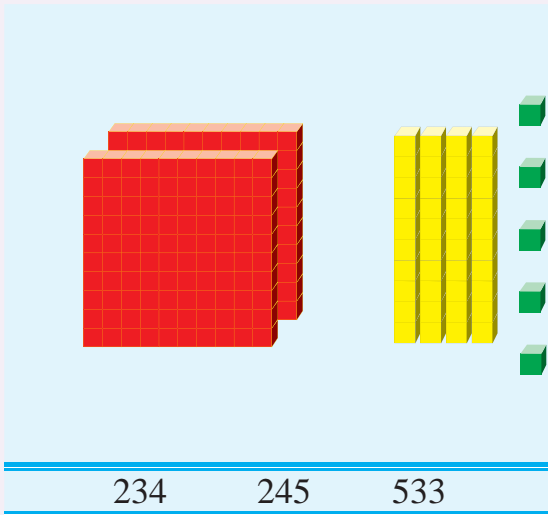
2 *Lakkoofsa gocha lakkoofsa 1^{ffaa} irratti argatte gabatee lakkoofsaa irratti agarsiisi.*

Dhibboota	Kurnoota	Tokkeewwan	
			345
Dhibba sadii fi afurtamii shan			

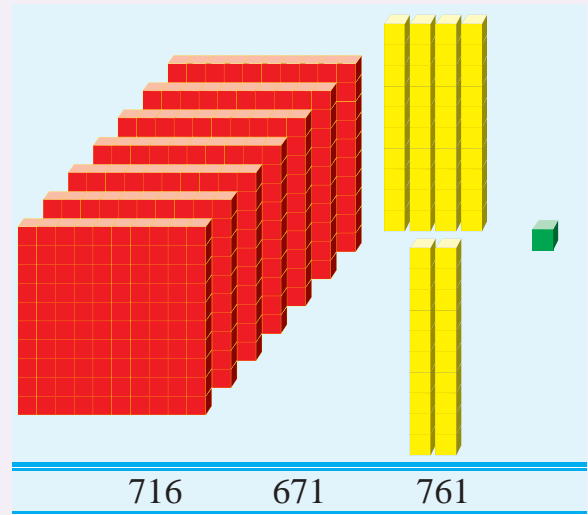
Gilgaala - 1

Lakkoofsa isa sirrii ta'etti marsi

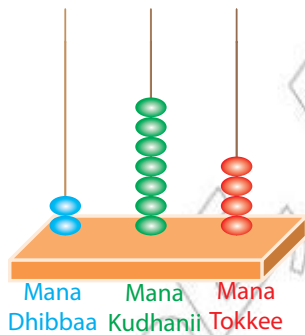
1



2



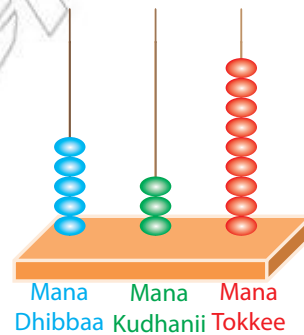
3		<p>530 533 353</p>
5		<p>853 538 835</p>
4		<p>318 380 308</p>
6		<p>619 691 916</p>



Abaakasii kanarratti dhibboota 2 kurnoota 7 fi tokkeewwan 4tu argama. Kana yeroo diddirsiiru/balballoom-sinu

$$200 + 70 + 4 = 274$$

Lakkoofsi abaakasiirratti agarsiifame 274 ta'a.

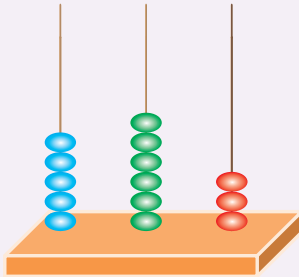


Dhibboota 5 Kurnoota 3 tokkeewwan 9
 $500 + 30 + 9 = 539$

Gilgaala - 2

A *Lakkoofsa isa abaakasiirratti argisiifametti mari*

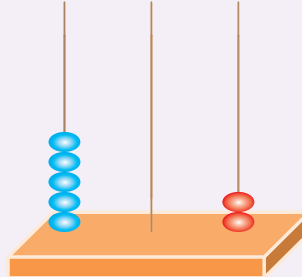
1



Mana Mana Mana
DhibbaaKudhanii Tokkee

365 653 563

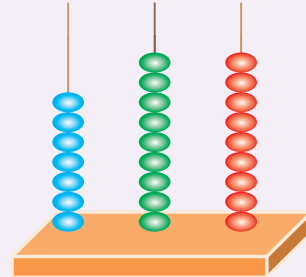
2



Mana Mana Mana
DhibbaaKudhanii Tokkee

205 520 502

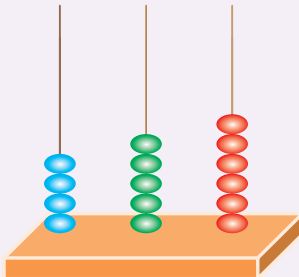
3



Mana Mana Mana
DhibbaaKudhanii Tokkee

799 997 979

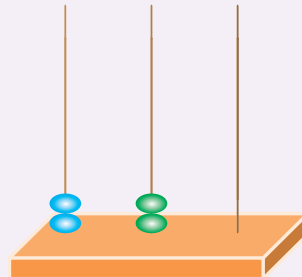
4



Mana Mana Mana
DhibbaaKudhanii Tokkee

654 456 564

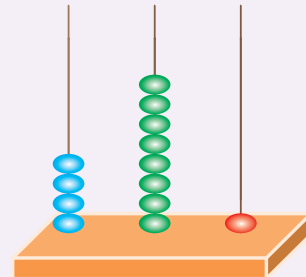
5



Mana Mana Mana
DhibbaaKudhanii Tokkee

220 22 202

6



Mana Mana Mana
DhibbaaKudhanii Tokkee

841 148 481

B *Lakkoofsa isa sirrii ta'etti mari.*

1 Dhibboota 4 kurnoota 6 tokkee 7

764 476 467

2 Dhibboota 3 kurnoota 2 tokkee 5

235 352 325

3 Dhibboota 2 Kurna 0 tokkee 6

260 206 620

4 Dhibboota 5 kurnoota 4 tokkee 0

540 450 405

5 $400 + 70 + 4$

447 474 744

6 $600 + 50 + 9$

659 596 956

7 $800 + 4$

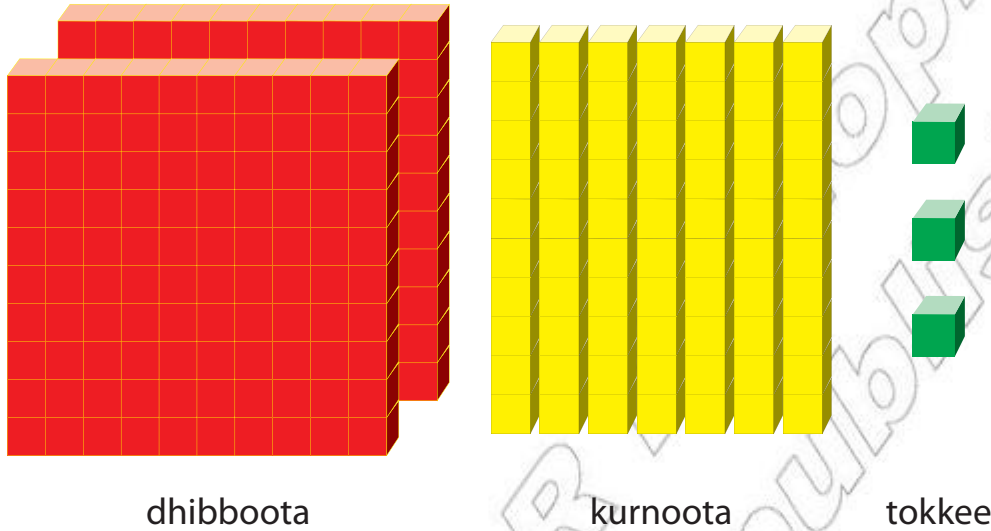
840 408 804

8 $100 + 70 + 3$

173 137 731

1.1.2 Lakkoofsa Hundaa Hamma 1000tti Barreessuu

Fageenyi Magaala Hawaasaa Finfinneerraa kiilomeetra dhibba lamaa fi torbaatamiisadii. Dhibboota, kurnootaafi tokkee meeqa meeqa qaba?



dhibboota

kurnoota

tokkee

$$\underline{\hspace{2cm}} + \underline{\hspace{2cm}} + \underline{\hspace{2cm}} = 273$$

Dhibba lamaa fi torbaatamii sadii.

Lakkoofsota kana gabatee lakkoofsaarratti agarsiisi.

Gilgaala - 3

A *Lakkoofsa dijiitii sadii danaaleen mul'isan barreessi.*

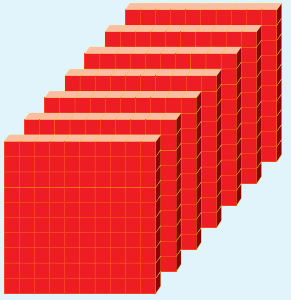
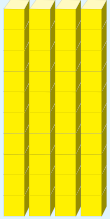

1

Dhibba	Kurnoota	Tokkee
<u> </u>	<u> </u>	<u> </u>
= <u> </u> .		

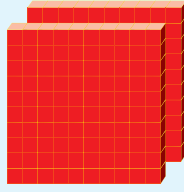
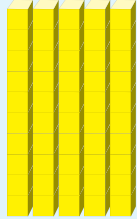

2

Dhibboota	Kurnoota	Tokkee
<u> </u>	<u> </u>	<u> </u>
= <u> </u> .		

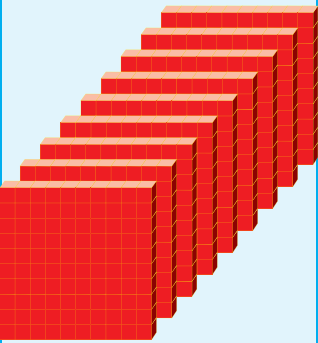
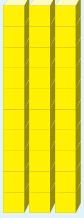

3

		
Dhibboota _____	Kurnoota _____	Tokkee _____
= _____.		

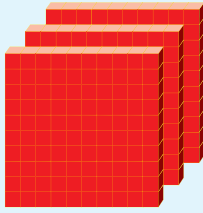
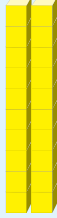

4

		
Dhibboota _____	Kurnoota _____	Tokkee _____
= _____.		

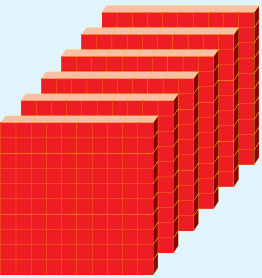
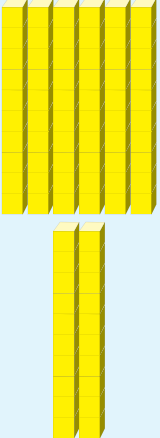

5

		
Dhibboota _____	Kurnoota _____	Tokkee _____
= _____.		

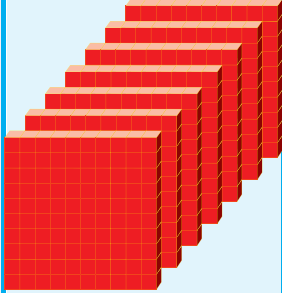
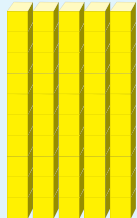

6

		
Dhibboota _____	Kurnoota _____	Tokkee _____
= _____.		

7

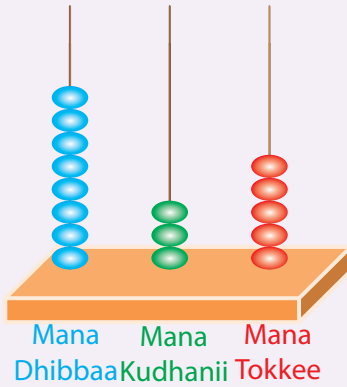
		
Dhibboota _____	Kurnoota _____	Tokkee _____
= _____.		

8

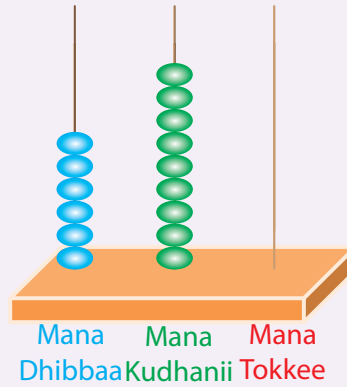
		
Dhibboota _____	Kurnoota _____	Tokkee _____
= _____.		

B *Lakkoofsa isa abaakasii irratti argisiifame kan ibsu barreessi.*

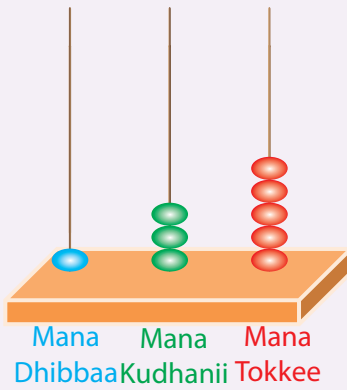
1



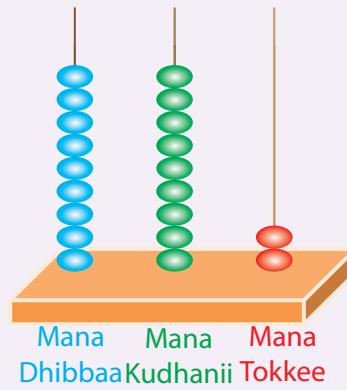
2



3



4



Gilgaalota Dabalataa

Lakkoofsaan barreessi.

- | | | | |
|----|--------------------------------|----|-------------------------------|
| 5 | Dhibba 5 kurna 2 tokkee 4 | 6 | Dhibba 9 kurna 3 tokkee 2 |
| 7 | Dhibba 2 kurna 8 tokkee 1 | 8 | Dhibban 4 kurna 6 tokkee 8 |
| 9 | Dhibba 8 kurna 3 tokkee 9 | 10 | Dhibba shanii fi jaatamiilama |
| 11 | Dhibba saddeetii fi kudha ja'a | 12 | Dhibba 6 kurna 8 tokkee 7 |
| 13 | Dhibba 7 kurna 3 | 14 | Dhibba 4 tokkee 6 |
| 15 | 400 + 60 + 8 | | |

Lakkoofsota armaan gaditti kennaman jechaan barreessi.

- | | | | | | | | | | | | |
|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|
| 16 | 469 | 17 | 985 | 18 | 206 | 19 | 324 | 20 | 615 | 21 | 719 |
|----|-----|----|-----|----|-----|----|-----|----|-----|----|-----|

Gabatee armaan gadiirraa fageenya magaalonni kennaman Finfinneerraa qaban dhibbootaan, kurnootaaniifi tokkeen barreessi.

Fakkeenya: Walqixxee $158 = 100 + 50 + 8$

	Maqaa Magaalota	Fageenya isaanii Finfinneerra
22 Langaanoo	Walqixxee	158
23 Naqamtee	Langaanoo	212
24 Arbaaminci	Naqamtee	328
25 Jijjigaa	Arbaaminci	505
26 Mattuu	Jijjigaa	954
	Mattuu	625

1.1.3 Dursaa fi ittifufaa

Gocha 2

Lakkoofsi tokkoon 457 gadi ta'e 456.

Sababni isaas $456 = 457 - 1$

Lakkoofsa hundaa 'a' zeeroo hinta'iin maraaf $a - 1$ lakkoofsa dursaa 'a' ti.

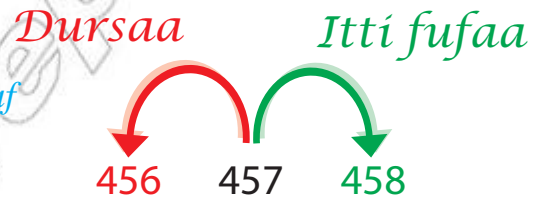
Lakkoofsi tokkoon 457 ol ta'e 458.

Sababni isaas $458 = 457 + 1$

Lakkoofsa hundaa 'a' zeeroo hin ta'iin maraafiyyuu $a + 1$ lakkoofsa itti fufaa 'a' ti.

Xiyyoota lakkoofsaa armaan gadii ilaaluudhaan fakkeenyo kennaman qayyabadhu.

70 71 72 73 74 75 76 77 78 79 80	100 101 102 103 104 105 106 107 108 109 110
✓ 73 dursaa 74ti	✓ 105 dursaa 106ti
✓ 75 itti fufaa 74ti	✓ 107 itti fufaa 106ti
✓ 70 baay'ataa 10 kan ta'e dursaa 74 ti	✓ 100 baay'ataa 10 kan ta'e dursaa 106
✓ 80 baay'ataa 10 kan ta'e itti fufaa 74 ti	✓ 110 baay'ataa 10 kan ta'e itti fufaa 106



Gilgaala - 4

Lakkoofsota armaan gaditti kennamaniif dursaa fi itti -fufaa isaanii bakka duwwaatti guuti.

1	127
2	243
3	569
4	849
5	898

6	374
7	561
8	222
9	600
10	999

Lakkoofsota armaan gaditti kennamaniif dursaa fi itti fufaa baay'ataa 10 ta'an bakka duwwaa kennametti guuti.

1	44
2	125
3	65

4	647
5	89
6	833

Lakkoofsota hundaa hir'atan bakka duwwaatti barreessi.

7	701	702	704
8	468	469	
9		155	156
10		341	344
11	20	30	80
12	750	760	810

Gabatee kana guuti.

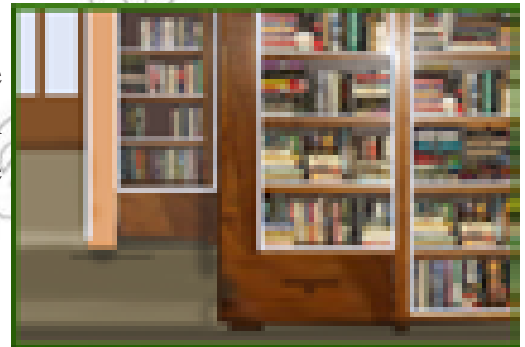
	Lakkoofsa Hundaa	Dursaa	Itti fufaa	Dursaa baay'ataa 10	Itti fufaa baay'ataa 10
13	342				
14	409				
15	725				
16		612			
17			248		

1.1.4 Lakkoofsota hundaa hamma 1000tti jiran waliin madaaluu fi tartiibessuu

A Waliin Madaaluu

Mana kitaabaa uummataa tokko keessa kitaabolee herregaa 572 fi kan saayinsii 530tu jira. Baay'inaan kan argaman kitaabolee herregaatimoo kitaabolee saayinsii ti?

☞ Gaaffii kana deebisuuf baay'ina kitaabolee kana waliin madaalla.



572 fi 539 waliin madaaluuf, dura dhibboota waliin madaalla. Yoo isaan wal qixa ta'animmoo kurnoota waliin madaalla. Lokkoofsonni lamaanuu dhibboota shan shan qabu. 572 kurnoota 7 yommuu qabaatu, 539 kurnoota 3 qaba. 7 fi 3 yeroo waliin madaallu 7tu caala.

Kanaafuu

$$572 > 539 \quad 539 < 572$$

Kana waan ta'eef, baay'inaan kan argamu kitaaba herregaati.

Fakkeenya

Waliin madaali.

a 371 _____ 95

95 dhibbota hin qabu.

371 dhibbota 3 qaba.

Kanaafuu,

$$371 > 95 \text{ yookiin } 95 < 371$$

b 476 _____ 471

Lakkoofsonni lamaanuu dhibbota afur afur qabu.

Lakkoofsonni lamaanuu kurnoota torba torba qabu.

Inni 476 tokkeewwan 6 qaba inni 471 garuu tokkee 1 qaba.

Kanaafuu, $476 > 471$ yookiin $471 < 476$

Gilgaala - 5

Mallattoo '<' ykn '>' geengoo keessatti barreessuun himoota dhugoomsi.

1 600 300

2 426 941

3 544 643

4 726 789

5 156 115

6 396 399

7 200 500

8 746 996

9 554 550

10 674 695

11 136 636

12 896 377

B Tartiibessuu

Gabatee gara mirgaarratti fageenyi magaalonni eeraman Finfinneerraa qaban kennameera. Gabatee kanatti gargaaramuun fageenya isaanii dhiyoorraa jalqabuun tartiibessi.

Maqaa Magaalaa	Fageenyaa Finfinneerraa qabu km'n
Jimmaa	357
Nageellee	610
Adaamaa	110
Gondor	738

Lakkoofsota kana tartiibessuuf lama lamaan fudhatee waliin madaalla.

357,610,110,738

$$110 < 357$$

$$357 < 610$$

$$610 < 738$$

Magaalonni kun fageenya Finfinneerraa qabaniin dhiyoorraa kaanee yeroo tartiibessinu, akka kana ta'a.

$$110 < 357 < 610 < 738$$

Magaalonni kun dhiyeenya isaaniitiin yeroo tartiibessaman:

Adaamaa, Jimmaa, Nageellee, Gondor ta'u.

Gilgaala - 6

Xiqqaarraa gara guddaatti tartiibessii barreessi.

1 35, 26, 39, 21 **2** 258, 250, 227 **3** 624, 696, 623, 641

4 396, 589, 428, 598 **5** 151, 146, 117, 306,

Guddaarraa gara xiqqaatti tartiibessi.

6 9, 15, 27, 32 **7** 515, 501, 526, 561 **8** 547, 66, 395, 709

9 103, 109, 105, 112 **10** 786, 780, 784, 782

Lakkoofsa hundaa qubeen bakka bu'an hunda isaanii barreessi.

11 $484 < a < 491$ **12** $119 < a < 127$ **13** $459 < a < 468$

14 $212 < b < 227$ **15** $323 < b < 333$ **16** $405 < b < 411$

1.2 KEESSA DEEBII LAKKOOFSA HUNDAA HAMMA

100TTI JIRANIIN SHALLAGUU

1.2.1 Lakkoofsota dijiitii lamaa Ida'uu

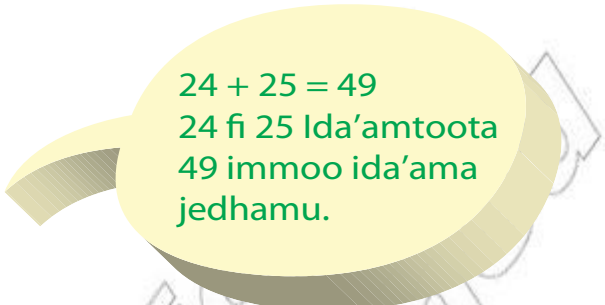
Mana barumsaa tokko keessatti ijoolleen kutaa 3^{ffaa} dhiirri 24 fi dubara 25tu jira. Kutaa 3^{ffaa} kana keessa barattoota meeqatu jira?

Furmaata: Baay'ina barattootaa argachuuf baay'ina dhiiraa fi dubaraa walitti idaana.

Kanaafuu, kutaa kana keessatti barattoota 49tu argama.

Fakkeenya 1

Jalqaba tokkeewwan ida'i.	Itti aansuudhaan kurnoota ida'i.
$\begin{array}{r} 24 \\ + 25 \\ \hline 9 \end{array}$ $4 + 5 = 9$	$\begin{array}{r} 24 \\ + 25 \\ \hline 49 \end{array}$ $2 + 2 = 4$



Fakkeenya 2

48 fi 26 ida'i.

Tokkee ida'i [Tokko hambifanna]	itti aansuun [kurnoota ida'i]
$\begin{array}{r} 1 \\ 48 \\ + 26 \\ \hline 4 \end{array}$ $8 + 6 = 14$ $14 = \text{kurna } 1 \text{ fi tokkee } 4$	$\begin{array}{r} 1 \\ 48 \\ + 26 \\ \hline 74 \end{array}$ $1 + 4 + 2 = 7$

Gilgaala - 7

Ida'i

1	36	2	49	3	56	4	72	5	49
	+41		+50		+18		+16		+26
6	78	7	60	8	34	9	31	10	77
	+ 5		+78		+36		+58		+29

Pirobileemota Jechaa

- Mana barumsaa tokko keessa barattoonni kutaa 2^{ffaa} dubara 42 fi dhiira 45 tu jira. Walumatti barattoota meeqatu kutaa kana keessa jira?
- Mana barumsaa kana keessa barsiisonni dhiira 28 fi dubara 14 yoo jiraatan walumatti barsiisota meeqatu jira?

1.2.2 Lakkoofsa dijiitii lamaa hir'isuu

Kutaa tokko keessa barattoota 58tu jira. Dhiira 24tu jira yoo ta'e dubarri meeqa ta'u?

Tokkee walirraa hir'isi.	Itti aansuudhaan kurnoota hir'isi.
$\begin{array}{r} 58 \\ -24 \\ \hline 4 \end{array}$ $8 - 4 = 4$	$\begin{array}{r} 58 \\ -24 \\ \hline 34 \end{array}$ $5 - 2 = 3$

58 – 24 = 34 keessatti
58 hir'ataa, 24 hir'isaa fi
34 caalmaa jedhamu

Kanaafuu kutaa kana keessa dubara 34 tu jira.

Fakkeenya

Dallaa obbo Caalaa keessa saawwan dhaltii 45fi sangoota 29 tu jira. Baay'inni saawwan dhaltii baay'ina sangootaa meeqaan caala?

Tokkee wal irraa hir'isuuf Kan jiru ga'aa miti	kurna 1 liqeeffadhu. Kurna 1 + 5 = tokkee 15	tokkee walirraa hir'isi	kurnoota walirraa hir'isi
$\begin{array}{r} 45 \\ -29 \\ \hline ? \end{array}$ $5 - 9 = ?$	$\begin{array}{r} \textcircled{3}15 \\ 45 \\ -29 \\ \hline \end{array}$	$\begin{array}{r} \textcircled{3}15 \\ 45 \\ -29 \\ \hline 6 \end{array}$ $15 - 9 = 6$	$\begin{array}{r} \textcircled{3}15 \\ 45 \\ -29 \\ \hline 16 \end{array}$ $3 - 2 = 1$

Kanaafuu baay'inni saawwanii baay'ina sangootaa 16'n caala.

Gilgaala - 8

Hir'isi

1	61	2	74	3	39	4	50	5	67
	$\underline{-4}$		$\underline{-15}$		$\underline{-45}$		$\underline{-18}$		$\underline{-29}$
6	53	7	77	8	52	9	46	10	32
	$\underline{-3}$		$\underline{-12}$		$\underline{-29}$		$\underline{-29}$		$\underline{-58}$

Pirobileemota jechaa armaan gadii furi.

- 11 Hospitaala tokko keessa doktoroota 6 fi narsoota 29tu jira. Baay'inni narsootaa meeqaan baay'ina doktorootaa caala?
- 12 Caaltuun handaaqqoo 47 qabdi. 19 yoo keessaa gurgurte meeqatu ishiif hafa?
- 13 72 meeqaan 27 caala?
- 14 56 meeqaan 66 gadi ta'a?

Gilgaala dabalataa**Kan armaan gaditti kennaman shallagi.**

- | | | | | | | | | | |
|----|------------------|----|------------------|----|------------------|----|------------------|----|------------------|
| 1 | 12
<u>+35</u> | 2 | 20
<u>+40</u> | 3 | 73
<u>+26</u> | 4 | 44
<u>+22</u> | 5 | 85
<u>+4</u> |
| 6 | 37
<u>-22</u> | 7 | 41
<u>-30</u> | 8 | 77
<u>-65</u> | 9 | 40
<u>-20</u> | 10 | 45
<u>-14</u> |
| 11 | 84
<u>+39</u> | 12 | 36
<u>+16</u> | 13 | 55
<u>+38</u> | 14 | 79
<u>+25</u> | 15 | 54
<u>+55</u> |
| 16 | 17
<u>-9</u> | 17 | 35
<u>-28</u> | 18 | 61
<u>-33</u> | 19 | 94
<u>-25</u> | 20 | 63
<u>-36</u> |

Gabatee kennamerratti hundaa'uun gaaffilee armaan gadii deebisi.

- 21 Barattoota meeqatu kutaa 3A keessatti argama?
- 22 Barattoota meeqatu kutaa 3B keessatti argama?
- 23 Kutaa 3A keessa barattoonni dhiiraa jiraan meeqaan warra dubaraa 3A keessa jiran caalu?
- 24 Kutaa 3A keessa barattoonni dubaraa jiran meeqaan warra dhiiraa 3B keessa jiran caalu?
- 25 Barattoonni baay'een kutaa isa kam keessatti argamu? Garaagarummaan isaaniis meeqa?

Barattoota kutaa 3 ^{ffaa} keessatti argaman		
Kutaa	3A	3B
Dhiira	32	25
Dubara	27	30

Qajeelfama kenname hordofuudhaan bakka duwwaa guuti.

26	27	28	29
Qajeelfama: 15 Ida'i	Qajeelfama: 47 Ida'i	Qajeelfama: 49 hir'isi	Qajeelfama: 65 hir'isi
24	20	59	75
36	12	60	86
75	37	93	95
84	47	99	84

1.2.3 Lakkoofsa dijiitii lamaa baay'isuu

Saani tokko guyyaatti aannan liitirii 12 elmamti yoo ta'e, guyyaa sadii keessatti liitirii meeqa elmamti?

$$3 \times 12 = \square$$



Jalqaba tokkee Baay'isi	itti aansuudhaan kurnoota baay'si
$\begin{array}{r} 12 \\ \times 3 \\ \hline 6 \\ 3 \times 2 = 6 \end{array}$	$\begin{array}{r} 12 \\ \times 3 \\ \hline 36 \\ 3 \times 1 = 3 \end{array}$

$3 \times 12 = 36$
3 fi 12 hirmaattoota, 36
baay'ataa jedhama.

Kanaafuu, guyyaa 3 keessatti liitirii 36 elemamti.

Fakkeenya

Baay'isi.

a $3 \times 24 = \square$

b $7 \times 24 = \square$

Tokkee baay'isi [tokko hambifatta]	Kurnoota baay'isi [Tokko isa hambifatte Itti ida'i]
1 24 <u>× 3</u> 2 $3 \times 4 = 12$	1 24 <u>× 3</u> 72 $3 \times 2 = 6$ $6 + 1 = 7$

2	$7 \times 4 = 28$
24	$28 =$ kurna 2 fi
<u>× 7</u>	Tokkee 8 qaba
<u>168</u>	Kanafuu 2 hambifanna
	$7 \times 2 = 14, 14 + 2 = 16$

Gigaala - 9

Baay'isi

- | | | | | |
|--|--|--|--|--|
| <p>1 31
 × 2
 <u> </u></p> | <p>2 34
 × 3
 <u> </u></p> | <p>3 40
 × 2
 <u> </u></p> | <p>4 12
 × 8
 <u> </u></p> | <p>5 25
 × 3
 <u> </u></p> |
| <p>6 13
 × 5
 <u> </u></p> | <p>7 41
 × 5
 <u> </u></p> | <p>8 43
 × 7
 <u> </u></p> | <p>9 83
 × 9
 <u> </u></p> | <p>10 42
 × 6
 <u> </u></p> |

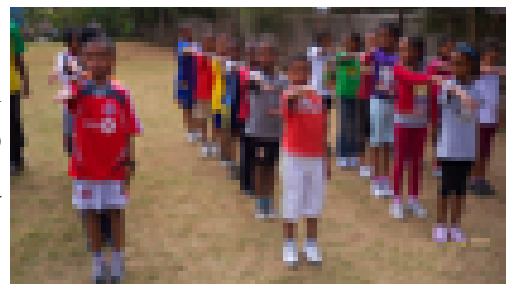
Pirobileemota Jechaa

- 11** Oorruu bunaa Jimmatti argamu keessaa hojjattonni buna funaanan guyyaatti guuboo 86 funaanu. Guyyaa 6 keessatti guuboo meeqaa funaanuu danda'u? _____
- 12** Gatiin qalqalloo tokkoo yoo qarshii 15 ta'e, kan qalqalloo shanii meeqaa ta'a? _____



1.2.4 Lakkoofsota dijiitii lamaa kan dijiitii tokkoof hiruu

Kutaa tokko keessa barattoota 48tu jira. Barsiisaan jabeenya qaamaa isaanii garee 6tti qoodee yoo hiriirse, tokkoo tokkoo garee keessatti barattoota meeqatu argama?



Furmaata:

Lakkoofsi 6'n baay'atee 48 fidu meeqa akka ta'e yaadi.

$$48 \div 6 = \square$$

$$\text{Kanaafuu } 48 \div 6 = 8$$

Itti yaadi!

$$6 \times 8 = 48$$

kana waan ta'eef garee tokko keessaatti barattoota 8tu argama.

$48 \div 6 = 8$

→ 48 hirmaa → 6 hirmataa
→ 8 ga'ee jedhamu

Fakkeenya**Hiri.**

a $24 \div 4 = \square$

$$\text{Kanaafuu } 24 \div 4 = 6$$

b $7 \overline{)49}$

$$\text{Kanaafuu, } 7 \overline{)49}$$

Itti yaadi!

$$4 \times 6 = 24$$

Itti yaadi!

$$7 \times 7 = 49$$

Gilgala - 10**Hiri**

1	$21 \div 7$	2	$36 \div 4$	3	$30 \div 6$	4	$12 \div 4$
5	$28 \div 4$	6	$40 \div 5$	7	$48 \div 8$	8	$25 \div 5$
9	$3 \overline{)9}$	10	$3 \overline{)15}$	11	$7 \overline{)42}$	12	$6 \overline{)54}$
13	$4 \overline{)32}$	14	$9 \overline{)54}$	15	$8 \overline{)64}$	16	$9 \overline{)63}$

Pirobileemota Jechaa

- 17 Kaartoonii tokko keessa kitaabota 4 kaa'uun ni danda'ama. Kitaabolee 36 kaa'uuf kaartoonii meeqa barbaachisa?
- 18 Ifaan ija baaqelaa 35 toora 5 irra wal qixeetti hiree dhaabe. Tokkoon tokkoo tooraarra ija meeqa dhaabe?

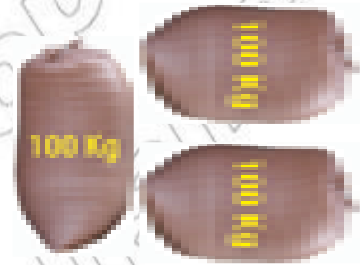
1.3 BAAY'ATTOOTA 100 FI 1,000 KANNEEN HAMMA 10,000TTI JIRAN

1.3.1 Baay'attoota 100 kanneen hamma 10,000 tti Jiran

Ulfinni boqqolloo kuntaala tokkoo kiloogiraamii 100. Kan kuntaala 3 kiloogiraamii meeqa ta'a?



$$\text{Dhibbi 1} = 1 \times 100 = 100$$



$$\text{Dhibbi 2} = 2 \times 100 = 200$$



$$\text{Dhibbi 3} = 3 \times 100 = 300$$

Kanaafuu, boqqolloon kuntaalli 3 kiilogiraamii 300 ta'a.

Qalbeeffadhu!

$$\text{Dhibbi 15} = 15 \times 100 = 1500 \text{ [Kuma tokkoo fi dhibba shan]}$$

$$\text{Dhibbi 30} = 30 \times 100 = 3000 \text{ [Kuma sadii]}$$

Fakkeenya kanarraa kan hubannu 100, 200, 300, 1500, 3000 baay'attoota 100 ta'uu isaaniiti.

- ☞ *Lakkoofsa hundaa tokko 100'n yoo baay'ifne, manni tokkoo fi manni kudhanii yeroo hundaa 0 ta'u.*

Gilgala - 11

A *Lakkoofsaan barreessi.*

- 1 Dhibba 8 2 Dhibba 10 3 Dhibba 14
4 Dhibba 26 5 Dhibba 64 6 Dhibba 80

B *Baay'attoota 100 hir'atan gabatee keessatti guuti.*

100	200	300						900	1000
1100	1200			1500					
	2200						2800		
					3600				
			5400						600
					6600				
							8700		
		9300							10000

C *Dhibba dhibbaan lakkaa'uudhaan baay'attoota 100 isaan hir'atan gabatee irratti guuti.*

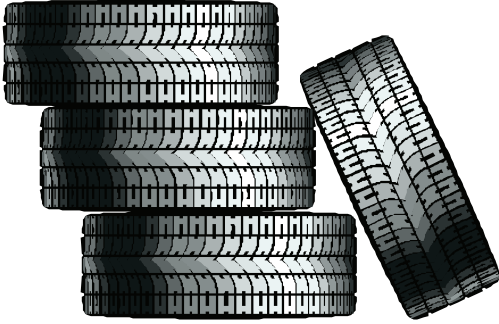
1	800		1000	1100		
2	4000	4100			4400	
3	9200		9400			
4		7700		7900		
5	9500					10000

D *Baay'ataa 100tiin diddiriirsii/balballoomsii barreessi. Tokkooffaan siif hojjetameera.*

- 1 $400 = 4 \times 100$ 2 900 3 1000
4 1200 5 3200 6 9900

1.3.2 Baay'attoota 1,000 kanneen hamma 10,000tti Jiran

Gatiin goommaa konkolaataa tokkoo qarshii 1000 yoo ta'e, gatiin goommaa 4 hamma ta'a?



Gatiin goommaa 1: $1 \times 1000 = 1,000$

Gatiin goommaa 2: $2 \times 1000 = 2,000$

Gatiin goommaa 3: $3 \times 1000 = 3,000$

Gatiin goommaa 4: $4 \times 1000 = 4,000$

Kanaafuu, gatiin goommaa 4 qarshii 4000 ta'a.

Qalbeeffadhu!

Kummi 6 = $6 \times 1000 = 6000$ [Kuma ja'a]

Fakkeenya kanarra kan hubannu 1000, 2000, 3000, 4000, 6000 baay'attoota 1000 ta'uu isaaniiti.

☞ *Lakkoofsa hundaa tokko 1000n yoo baay'ifne, manni dhibbaa, manni kudhaniifi manni tokkoo yeroo hunda 0 ta'u.*

Gilgaala - 12

A Lakkoofsaan barreessi.

1 Kuma 5

2 Kuma 8

3 Kuma 4

4 Kuma 9

5 Kuma 3

6 Kuma 2

B Jechaan barreessi.

7 3×1000

8 1×1000

9 6×1000

10 7×1000

11 9×1000

12 10×1000

C *Baay'attoota 1000 kanneen ta'anitti mari.*

100	200	300	400	500	600	700	800	900
1000	1100	1200	1300	1400	1500	1600	1700	1800
1900	2000	2100	2200	2300	2400	2500	2600	2700
2800	2900	3000	3100	3200	3300	3400	3500	3600
3700	3800	3900	4000	4100	4200	4300	4400	4500
4600	4700	4800	4900	5000	5100	5200	5300	5400
5500	5600	5700	5800	5900	6000	6100	6200	6300
6400	6500	6600	6700	6800	6900	7000	7100	7200
7300	7400	7500	7600	7800	7900	8000	8100	8200
8300	8400	8500	8600	8700	8800	8900	9000	9100
9200	9300	9400	9500	9600	9700	9800	9900	10000

D *Baay'attoota kumaa hir'atan gabateerratti guuti.*

1	1000	2000		4000		6000
2	3000		5000			8000
3		3000			6000	
4				6000		8000
5	2000					7000
6			7000			10000

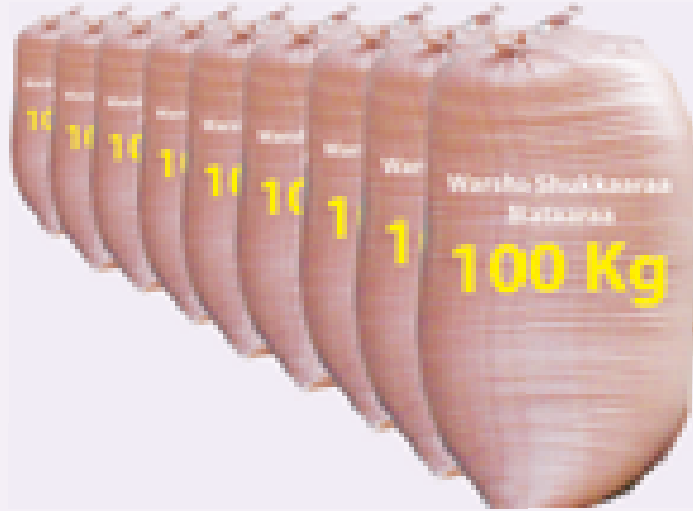
Dabtara keerratti garagalchiitii baay'attoota 100 kanneen ta'anitti mari.

1	300	410	3006	7200	4000	9205
2	6000	600	774	90	8004	904
3	833	4700	5200	10	899	10000

Dabtara keerratti garagalchiitii baay'attoota 1000 kanneen ta'anitti mari

4	200	3000	600	7000	100	5000
5	30	400	760	8000	2200	679
6	7544	6000	4000	2003	9000	1000

Tokkoon tokkoon kuntaala kanaa shukkaara kiilogiraamii (kg) 100 qabataniiru



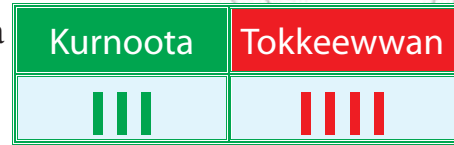
- 1 Kuntaalli 5 shukkaara kg meeqa qabatanii jiru?
- 2 Kuntaalli 10 shukkaara kg meeqa qabatanii jiru?
- 3 Kuntaalli 25 shukkaara kg meeqa qabatanii jiru
- 4 Shukkaara 10,000 kg naquuf Kuntaala meeqa barbaachisa?
- 5 Baay'attoota dhibbaa isaan 300 fi 1000 gidduutti argman barreessi.
- 6 Baay'attoota dhibbaa isaan 600 fi 1500 gidduutti argman barreessi.
- 7 Baay'attoota dhibbaa isaan 2500 fi 3500 gidduutti argman barreessi.
- 8 Baay'attoota dhibbaa isaan 3000 fi 8000 gidduutti argman barreessi.
- 9 Baay'attoota dhibbaa kanneen 5000 gadi ta'an barreessi.
- 10 Baay'attoota dhibbaafi kumaa kanneen 2000 fi 8000 gidduutti argman. barreessi.

1.4 LAKKOOFSA HUNDAA HAMMA 10,000TTI

JIRAN

1.4.1 Tokkeewwanii fi Kurnoota

Taattoo/Chaartii lakkoofsaarra kan jiru 34 bakka bu'a

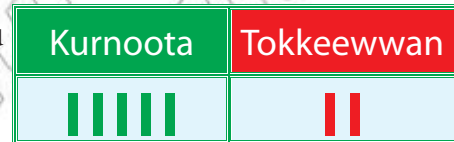


Kurna 3

Tokkeen 4

$$30 + 4 = 34$$

1 Taattoo/Chaartii Lakkoofsaarra kan jiru lakkoofsa meeqa bakka bu'a?

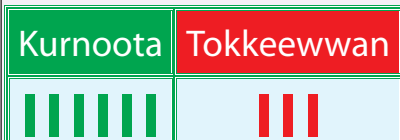


2 48 akkamitti taattoo lakkoofsaarratti agarsiisuun akka danda'amu hiriyoottan keessan wajjiin mari'adhaa.

Gilgaala - 13

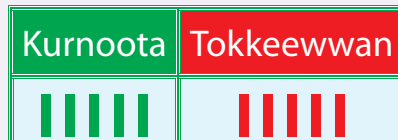
Lakkoofsota chaartii/taattoo Lakkoofsotaarratti agarsiifaman balballoomsuun [diddirirsuudhaan] akkasumas lakkoofsaan barreessi.

1



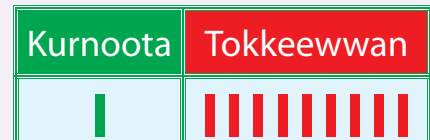
$$\underline{\quad} + \underline{\quad} = \underline{\quad}$$

2



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

3



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

Lakkoofsaan barreessi.

4 $10 + 9$

5 $30 + 1$

6 $50 + 4$

7 $20 + 6$

8 $40 + 7$

9 $80 + 4$

Balballoomsuun/Diddiriirsii barreessi.

10 63

11 28

12 75

13 49

14 62

15 99

1.4.2 Tokkeewwan, Kurnootaa fi Dhibboota

Chaartii lakkoofsaa irra kan jiru 358 bakka bu'u.

Dhibbota	Kurnoota	Tokkeewwan

Dhibba 3

Kurna 5

Takkeen 8

$$300 + 50 + 8 = 358$$

408 taattoo/Chaartii lakkoofsaa kanarratti agarsiisi.

Dhibbota	Kurnoota	Tokkeewwan

Gilgaala - 14

Lakkoofsota chaartii/taattoo lakkoofsotaarratti agarsiifaman diddirirsuudhaan (balballoomsuun) akkasumas lakkoofsaan barreessi.

1

Dhibbota	Kurnoota	Tokkeewwan

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

2

Dhibbota	Kurnoota	Tokkeewwan

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

Lakkoofsaan barreessi.

3 $100 + 40 + 1$

4 $700 + 20 + 9$

5 $600 + 50 + 1$

6 $300 + 80 + 1$

7 $800 + 10 + 1$

8 $900 + 30 + 1$

Diddirirsii barreessi.

9 408

10 960

11 743

12 197

13 525

14 299

1.4.3 Manneen lakkoofsaa adda baafachuu

Lakkoofsa 637 gabatee manneen lakkoofsaarratti akkaataa armaan gadiitti agarsiisun ni danda'ama.

Dhibbota	Kurnoota	Tokkeewwan
6	3	7

➔ *Lakkoofsi 6 mana dhibbaa keessatti argama. Kanaafuu, gatiin bakkaa lakkoofsa 6, 600 ta'a.*

- Lakkoofsi 3 mana kudhanii keessatti argama. Kanaafuu gatiin bakkaa lakkoofsaa 30 ta'a.
- Lakkoofsi 7 mana tokkoo keessatti argama. Kanaafuu gatiin bakkaa lakkoofsaa 7 dhuma ta'a.

Gilgaala - 15

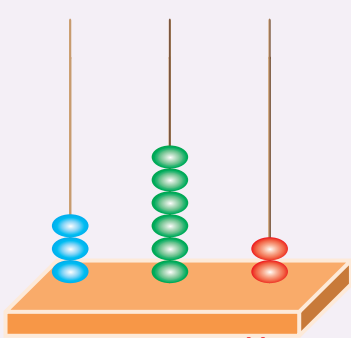
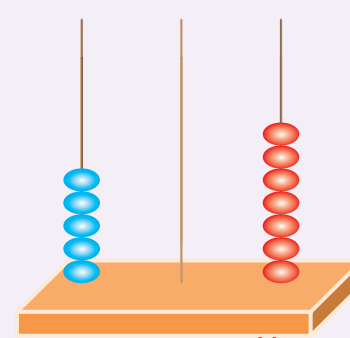
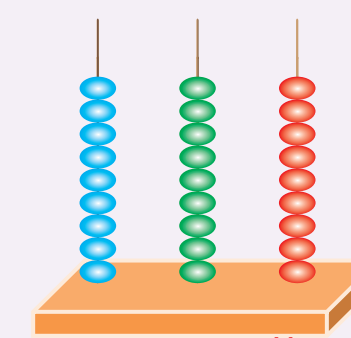
Lakkoofsota kennaman gabatee lakkoofsa keessatti barreessiuun agarsiisi.

<p>1 312</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #00a0e3; color: white;">Dhibbota</td> <td style="background-color: #008000; color: white;">Kurnoota</td> <td style="background-color: #c00000; color: white;">Tokkeewwan</td> </tr> <tr> <td style="height: 20px;"> </td> <td style="height: 20px;"> </td> <td style="height: 20px;"> </td> </tr> </table>	Dhibbota	Kurnoota	Tokkeewwan				<p>2 458</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="background-color: #00a0e3; color: white;">Dhibbota</td> <td style="background-color: #008000; color: white;">Kurnoota</td> <td style="background-color: #c00000; color: white;">Tokkeewwan</td> </tr> <tr> <td style="height: 20px;"> </td> <td style="height: 20px;"> </td> <td style="height: 20px;"> </td> </tr> </table>	Dhibbota	Kurnoota	Tokkeewwan			
Dhibbota	Kurnoota	Tokkeewwan											
Dhibbota	Kurnoota	Tokkeewwan											
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Dhibbota	Kurnoota	Tokkeewwan											
Dhibbota	Kurnoota	Tokkeewwan											

Gatiin bakkaa lakkoofsota qalama diimaan barreeffamanii meeqa akka ta'e barreessi.

- | | | | |
|--------------|---------------|---------------|---------------|
| 5 428 | 6 178 | 7 397 | 8 442 |
| 9 635 | 10 288 | 11 309 | 12 333 |

Lakkoofsota abaakasiirratti agarsiifaman barreessi.

<p>13</p>  <p>Mana Mana Mana Dhibbaa Kudhanii Tokkee</p>	<p>14</p>  <p>Mana Mana Mana Dhibbaa Kudhanii Tokkee</p>	<p>15</p>  <p>Mana Mana Mana Dhibbaa Kudhanii Tokkee</p>
--	--	---

- 16** Dijiitoota 1, 3 fi 8tti gargaaramuun lakkoofsota dijiitii sadii hunda barreessi.
- 17** Gaaffii 16^{ffaa} irraattii lakkoofsi inni hunda irra guddaan isa kami? Inni xiqqaan isa kami?

1.4.4 Tokkeewwan, Kurnoota, Dhibboota fi kumoota

Tulluuwwan Oromiyaa keessatti argaman keessaa tokko gaara Cilaaloo ti. Innis godina Arsiitti argama. Dheerinni isaas meetirii **4,154**.

4,154 gabatee mana lakkofsaa fi chaartii lakkoofsaan yommuu agarsiifaman,



Kumoota	Dhibbota	Kurnoota	Tokkeewwan

Kumoota 4

Dhibba 1

Kurna 5

Tokkeen 4

$$4000 + 100 + 50 + 4 = 4,154$$

Gilgaala - 16

Lakkoofsota chaartiirratti kennaman lakkoofsaa fi balballoomsuun barreessi.

1	<table border="1"> <thead> <tr> <th>Kumoota</th> <th>Dhibbota</th> <th>Kurnoota</th> <th>Tokkeewwan</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>	Kumoota	Dhibbota	Kurnoota	Tokkeewwan								
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Kumoota	Dhibbota	Kurnoota	Tokkeewwan										

5	Kumoota	Dhibbota	Kurnoota	Tokkeewwan
6	Kumoota	Dhibbota	Kurnoota	Tokkeewwan

Lakkoofsota armaan gaditti kennaman gabatee mana lakkoofsaa irratti barreessi.

1	3,528	Kumoota	Dhibbota	Kurnoota	Tokkeewwan
2	2,894	Kumoota	Dhibbota	Kurnoota	Tokkeewwan
3	3,054	Kumoota	Dhibbota	Kurnoota	Tokkeewwan
4	7,204	Kumoota	Dhibbota	Kurnoota	Tokkeewwan
5	9,457	Kumoota	Dhibbota	Kurnoota	Tokkeewwan
6	5,266	Kumoota	Dhibbota	Kurnoota	Tokkeewwan

Gatiin bakkaa lakkoofsa isa qalama diimaan barreeffamee meeqa?

- | | | | | | |
|----|-------|----|-------|----|-------|
| 7 | 3,741 | 8 | 6,321 | 9 | 4,567 |
| 10 | 7,752 | 11 | 8,989 | 12 | 4,024 |

Lakkoofsonni kun Kumoota, dhibboota, kurnootaafi tokkeewwan meeqa qabu?

13 5,216 14 3,050 15 6,088

16 3,294 17 7,009 18 4,117

19 Gabatee armaan gadii guuti.

Lakkoofsota hundaa	Mannen lakkoofsota				Jechaan yommuu barreeffaman
	Kumoota	Dhibbota	Kurnoota	Tokkeewwan	Kuma sadiifi dhibba saddeetiifi sagaltamii afur
3,894	3	8	9	4	
8,019					
1,257					
7,995					
6,340					
5,219					

Lakkoofsaan barreessi.1 $2000 + 500 + 30 + 4$ 2 $6000 + 300 + 80 + 2$ 3 $1000 + 600 + 40 + 5$ 4 $8000 + 400 + 50 + 7$ 5 $5000 + 700 + 2$ **Diddiriirsuun barreessi.**

6 6,351 7 7,076 8 9,282 9 6,332 10 9,394

Lakkoofsaan barreessi.

11 Kumoota 3 dhibboota 2 kurnoota 9 fi tokkeewwan 7

12 Kumoota 2 fi tokkeewwan 4

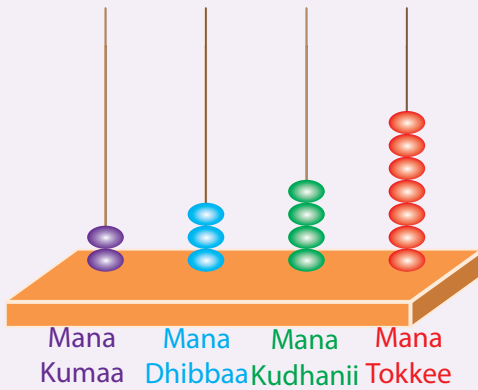
13 Kumoota 5 dhibboota 3 kurnoota 8 fi tokkeewwan 6

14 kumoota 8 dhibboota 5 kurnoota 8 fi tokkeewwan 8

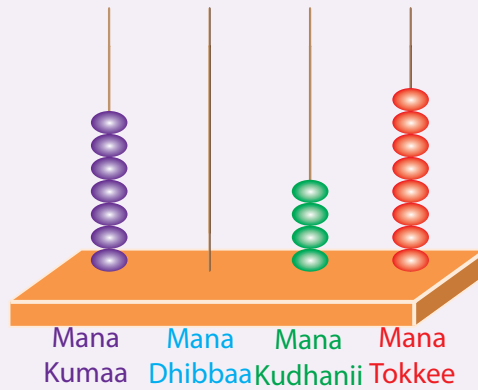
15 kumoota 6 kurnoota 4

Lakkoofsota hundaa abaakasiirratti agarsiifaman barreessi.

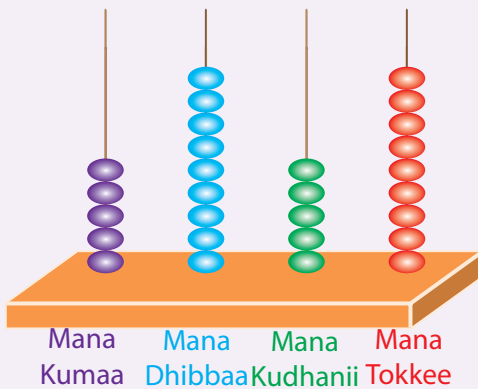
16



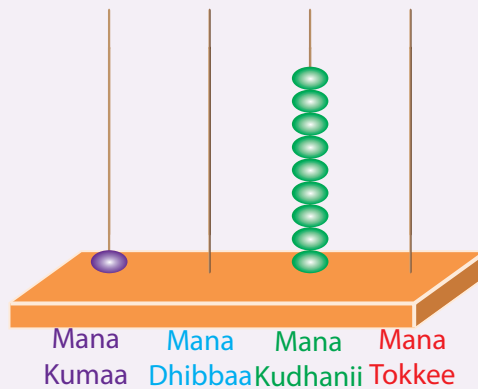
17



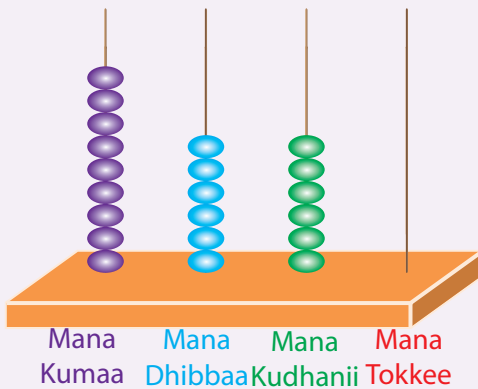
18



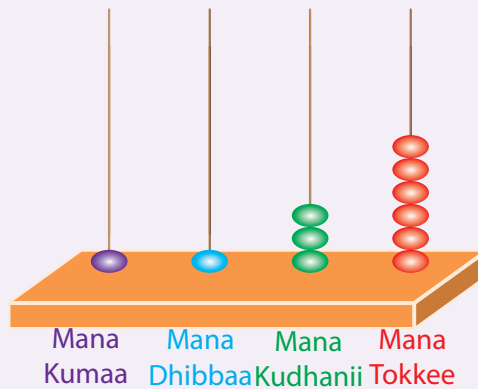
19



20

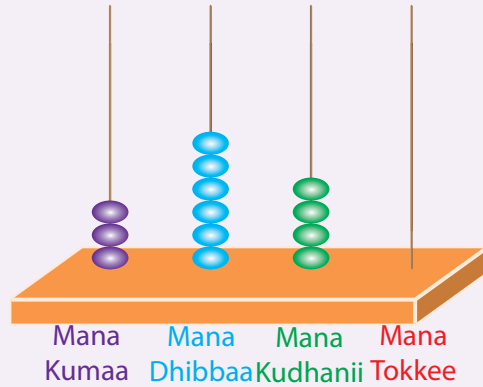


21



- 22 Abaakasii kennamerratti bakka elellaan hir'ate dabalii guutii. Bakka isaarra darbeemmoo mallattoo '×' kaa'udhaan agarsiisi.

5,807



1.5 LAKKOFSOTA HUNDAA HAMMA 10,000TTI JIRAN WALIIN MADAALUU FI TARTIIBESSUU.

1.5.1 Waliin Madaaluu

Abbaan suuqii tokko ji'a Fulbaanaa keessa barruulee 2,459 gurgure. Ji'a Guraandhalaa keessamoo barruulee 976 gurgure. Abbaan suuqii kun ji'a isa kam keessa barruulee baay'ee gurgure?

Furmaata:

Ji'a isa kam keessa barruulee baay'ee akka inni gurgure beekuudhaaf ji'a lachuu keessatti kan inni gurgure baay'ina isaanii waliin madaalla.

Kumoota	Dhibbota	Kurnoota	Tokkeewwan
2	4	5	9
	9	7	6

Baay'ina dijiitotaatiin inni caalu yeroo hunda isaa gudaadha.

$$2,459 > 978$$

YKN

$$978 < 2,459$$

Kanaafuu, abbaan suuqii kun barruulee baay'ee kan gurgure ji'a Fulbaanaa keessa.

Lakkoofsota dijiitii walqixa qaban yeroo waliin madaallu, dura mana lakkoofsaa isa guddarraa jalqabna (bitarra gara mirgaatti). Dijiitonni mana lakkoofsaa isa guddarratti argaman yoo walqixa ta'an, mana lakkoofsa isa itti aanuu irra warra jiran waliin madaalla.

Fakkeenya

a 5,294 fi 6,245 waliin madaali.

Kumoota	Dhibbota	Kurnoota	Tokkeewwan
5	2	9	4
6	2	4	5

$5 < 6$

5 < 6 waan ta'eef $5,294 < 6,245$

b 8,344 fi 8,319 waliin madaali.

Kumoota	Dhibbota	Kurnoota	Tokkeewwan
8	3	4	4
8	3	1	9

Walqixa Walqixa $4 > 1$

1 < 4 waan ta'eef $8,319 < 8,344$

c 9,346 fi 9,341 waliin madaali.

Kumoota	Dhibbota	Kurnoota	Tokkeewwan
9	3	4	6
9	3	4	1

Walqixa Walqixa Walqixa $6 > 1$

1 < 6 waan ta'eef $9,341 < 9,346$

Gilgaala - 17

Mallattoo '<' ykn '>' tti gargaaramuun waliin madaali.

1 1,563 < 2,277

2 2,045 962

3 1,567 1,550

4 1,004 1,025

5 9,524 9,530

6 7,344 7,255

7 3,205 2,606

8 7,204 6,204

9 3,591 3,599

10 210 2,010

11 5,011 5,110

12 3,608 3,609

Gabatee armaan gaditti kenname faana bu'uun gaaffilee 13 hamma 16tti kennaman soba ykn dhugaa jedhiitii deebisi.

Sirna gadaa Oromoo keessatti bara abootiin Gadaa bokkuu itti fudhatan

Obbo Galgaloo	1881
Obbo Raagoo	1847
Obbo Mul'ataa	1908
Obbo Aagaa	1924
Obbo Namarraa	1864

- 13** Obbo Namarraan Obbo Aagaa dursanii bokkuu fudhatani.
- 14** Obbo Mul'ataan dursanii warra bokkuu fuudhan keessaa isa tokko.
- 15** Obbo Raagoon kan bokkuu fuudhan obbo Namarraa booda dha.
- 16** Obbo Mul'ataan obbo Aagaa dursanii bokkuu fuudhani.
- *17** Obbo Bakareen bara 1917 bokku fudhatani. Obbo Bakareen eenyurraa bokkuu fuudhan? (Gabatee armaan olii irraa)

1.5.2 Tartiibessuu

Gabatee armaan gadiirratti dheerinni lageen biyya keenya keessatti argamanii kiiloomeetiraan kennamaniiru.

Maqaa lagaa	Dheerina km n
Abbaay	1450
Hawaas	1200
Takkazee	608
Waabii Shabalee	1130
Gannaalee	858

Lageen kennaman dheerina isaanitiin xiqqaatii gara guddaatti tartiibessuuf lama lamaan fudhanneetu waliin madaalla.

Takkazee < Gannaalee

Gannaalee < Waabii Shabalee

Waabii Shabalee < Hawaas

Hawaas < Abbaay

Kana jechuun **Takkazee < Gannaalee < Waabii Shabalee < Hawaas < Abbaay**

Kanaafuu lageen kana dheerina isaaniitiin xiqaarraa gara guddaatti yeroo tartiibessinu

Takkazee, Gannaalee, Waabii Shabalee, Hawaas, Abbaay ta'a.

Lakkoofsota hundaa xiqqaatii gara guddaatti ykn guddaatii gara xiqqaatti tartiibessuuf, lama lamaan walitti finnee madaaluu qabna.

Fakkeenya 1

a Xiqqaatii gara guddaatti tartiibessi.

2543, 1741, 546, 2581

$546 < 1,741 < 2,543 < 2,581$

Kanaafuu tartiibni isaanii 546, 1,741, 2,543, 2,581

b Guddaatii gara xiqqaatti tartiibessi.

544, 341, 7,954, 6,540

$7,954 > 6,544 > 6,540 > 3214$

Kanaafuu tartiibni isaanii 7,954, 6,544, 6,540, 341

Gilgaala - 18

Xiqqaatii gara guddaatti tartiibessi.

1 284, 36, 254, 844

2 894, 854, 84, 776, 770

3 644, 294, 576, 199, 648, 500

4 294, 765, 284, 755, 290

5 1,349, 1,905, 2,774, 1,309

6 3,544, 2,544, 3,634, 2009

7,455 9,990 7,550

6,844

5,844

5,291

3,624

3,629

7,502

6,809

9 Lakkoofsota gabateerratti kennaman keessaa warra qalama diimaatiin barreeffaman fudhadhuutii xiqqaatii gara gudaatti tartiibessi.

10 Lakkoofsota gabatee keessatti kennaman keessaa warra qalama guraachaan barreeffaman fudhaadhuutii guddaatii gara xiqqaatti tartiibessi.

Fakkeenya 2

b'n lakkoofsa hundaa ta'ee, $817 < b < 821$ yoo jenne b n kan bakka bu'uu danada'u lakkoofsota hundaa 817fi 821 gidduutti argaman ta'a.

Kanafuu, $b = 818, 819, 820$

Gilgala - 19

Lakkoofsota hundaa qubeen bakka bu'an barreessi.

1 $484 < a < 488$

2 $119 < a < 124$

3 $459 < b < 465$

4 $219 < b < 225$

5 $323 < c < 330$

6 $405 < c < 412$

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