

XISAAB



XISAAB

BUUGGA ARDAYGA

Fasalka 1^{aad}

BUUGGA ARDAYGA

Fasalka 1^{aad}

XISAAB BUUGGA ARDAYGA Fasalka 1^{aad}

0 1 2 3 4 5
6 7
8 9
10 20
30 40
50 60 70 80 90 100

ISBN 978-99944-2-184-8



JUMHURIYADA FADARAALKA DIMOQRAADIGA EE ITOOBIYA
WASAARADDA WAXBARASHADA

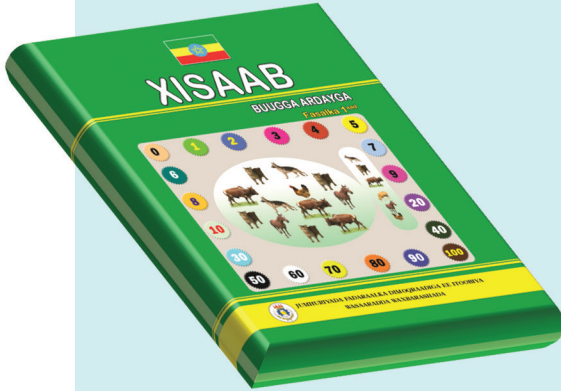
MOE



JUMHURIYADA FADARAALKA DIMOQRAADIGA EE ITOOBIYA
WASAARADDA WAXBARASHADA

Birr 40.10

Buuggan Ilaali oo daryeel



Buuggani waa hantida Dugsigiina

Daryeel si aynan waxyeelo u gaadhin ama u In Hoos waxa kuxusan 10 fikradood oo ah talooyin kaa caawinaya sidaad buugga u ilaa linaysid una daryeelaysid.

- 1 Buugga ku jaldiyeed jaldi ku haboon dhawrista sida Balaastiga waraqad adag sida magaasinada la akhristoy.
- 2 Markasta meeshaad buuga dhigaysaa waa in ay ahaataa meel nadiif ah oo engagan.
- 3 Buugga marka aad isticmaalaysid waa in ay gacmahaagu nadiif ahaadaan.
- 4 Waxna ha ku qorin buugga jaldigiisa ama boggaga dhaxdiisa.
- 5 Isticmaal waraaqad yar ama kaardi yar markaad bog calaamadaysanaysid.
- 6 Waligaa ha ka jeexin ama haka gooynin sawir ama bog.
- 7 Boggaga jeexma ku kab. Xabag ama baastar.
- 8 Buugga markaad dugsiga u qaadnaysid boorsada ama shayga aad ku qaadnaysid qumaati u dhaxdhig si uunan u jacdadin ama u jajabin.
- 9 Buugga markaad qof kale u dhibaysid si taxadar leh ugu dhiib.
- 10 Buugga cusub marka ugu horeysa ee aad isticmaalkiisa bilaabaysid dhiniciisa ay boggagiisa u dan beeya ay ku yaaliin u jiifi kadibna markiiba dhawr bog fur ama bannee. Marka aad bog rogaysid, Cidhifka uu ka taxan yahay gacanta kale ku yar xaji. sidaasina daryeelka jaldiga buugga ayey u wanaagsan tahay.



XISAAB

BUUGGA ARDAYGA

FASALKA 1^{AAD}

Qorayaal, Tafatirayaal, Ansixiyayaal

Qiimeeyayaal



Jumhuriyada Dimoqraadiga Fadaraalka Itoobiya
Wasaarada Waxbarashada



Buugga waxa la daabacay 2002 E.C, Dajinta iyo soo saaridda buuggan waxa fuliyay wasaarada waxbarashada ee jumhuriyada Dimoqraadiga Fedaraalka Itoobiya mashruuca hoos yimaad ee uqaybsan kor u qoodista iyo horumarinta tayada waxbarashada Guud oo taageero ka helay hayada IDA Credit No. 4535 ET oo ah the Fast Track Initiative catalytic fund iyo dawladaha Finland, Italy, Netherland iyo United Kingdom.

© 2011 wasaarad waxbarashada ee jumhuuriyada Dimoqraadiga Federaalka Itoobiya. Xuquuqda buuggani way u dhawsan tahay. Buugga ama qayb ka mid ah buugga lama guurin karo lama daabici karo lamana baahin karo, iyada oo la adeegsanayo qalabyada eletirooniksa iyadoo ogolaansho qoraal ah aan laga haysanin wasaaradda waxbarashada ama liisan ka saamaxaya xeerka qodobka. No. 4/0/2004 ee xuquuqda daabaca oo ah maqaal ay jumhuritada Dimoqraaidiga Fedaraalka Itoobiya.

Wasaaradda waxbarashadu waxay u mahad naqaysaa shakhsiyaadka iyo kooxaha si toos ah iyo si dadban uga qayb galay daabicista iyo soo bixitaanka buuggan.

Kuwa haysta ogolaashaha qoraalka lookiin lagu eedeeyo inay gaf ka galeen xuquuqda buugga. Waa in ay la xidhiidhaan xafiis waynaha wasaaradda Waxbarashada ee ku taala Arata kiilo. Adiss Ababa Itoobiya.

Developed and Printed by

STAR EDUCATIONAL BOOKS DISTRIBUTORS Pvt. Ltd.

24/4800, Bharat Ram Road, Daryaganj,

New Delhi – 110002, INDIA

and

ASTER NEGA PUBLISHING ENTERPRISE

P.O. Box 21073

ADDIS ABABA, ETHIOPIA

Under GEQIP Contract No. ET-MoE/GEQIP/IDA/ICB/G-07/09A.

ISBN 978-99944-2184-8

TUSMADA BUUGGA

Bog

Cutub 1 Tirooyinka Tirsiimo 1 ilaa 9

- 1.1 Tirooyinka Tirsiimo 1 ilaa 5 iyo Horsanaantooda..... 1
- 1.2 Tirooyinka tirsiimo 6 ilaa 9 iyo Horsanaantooda..... 11

Cutub 2 Isugeynta iyo kalagoynta ilaa 9

- 2.1 Isugeynta Tirooyinka Tirsiimo ee wadartoodu aanay ka badnayn 9.. 17
- 2.2 Kalagoynta Tirooyinka Tirsiimo ilaa 9 24
- 2.3 Isugeynta saddex tiro oo wadartoodu aanay ka badnayn 9..... 30

Cutub 3 Tirooyinka Idil ‘0’ ilaa ‘20’

- 3.1 Tirada Eber 30
- 3.2 Tirooyinka idil ilaa 20 iyo Horsanaantooda..... 36
- 3.3 Hab-dhiska qiima-rugeedka..... 40

Cutub 4 Isugeynta iyo kala goynta tirooyinka idil ilaa 20

- 4.1 Isugeynta tirooyinka idil ilaa 20 42
- 4.2 Kalagoynta tirooyinka idil ilaa 20..... 49
- 4.3 Furturista mas’alooyinka isugeynta iyo kala goynta ah..... 53

Cutub 5 Cabbiraada oo loo adeegsanayo helbeeyada aanan rasmiga ahayn (halbeeg dhaqameed)

- 5.1 Cabbiraada dhererka..... 55
- 5.2 Cabbiraada Mugga..... 57
- 5.3 Cabbiraada culayska..... 59

Cutub 6 Barashada jajabyada

- 6.1 Badhka(ama nuska) shayga..... 62
- 6.2 Rubucyada Shayga..... 64

Cutub 7 Iskudhufashada iyo isuqaybinta

- 7.1 Iskudhufashada 2 iyo tiro kale oo ay tarantoodu tahay ilaa 20 66
- 7.2 Isuqaybinta tirooyinka dhabanka ah ilaa 20 iyo 2 77

Cutub 8 Xariiqaha iyo shaxanada fudud

- 8.1 Xariiqaha Toosan iyo xariiqaha xoodan..... 81
- 8.2 Shaxanada fudud 85

Cutub 9 Tirooyinka Idil ilaa 100

- 9.1 Dhufsanayasha 10 ee ilaa 100 90
- 9.2 Tirooyinka idil 21 ilaa 100 96
- 9.3 Horsanaanta tirooyinka idil ilaa 100..... 98
- 9.4 Qiima rugeedka tirooyinka idil ilaa 100..... 102

Cutub 10 Lacagta Itoobiya

- 10.1 Lacagta qadaadiicda (saantiimyada) iyo birrka lacagta noodhyada (warqadaha)ah ee Itoobiya..... 103
- 10.2 Xidhiidhka ka dhaxeeya saantiimyada iyo Birr ka 104

Cutub 11 Waqtiga (Aminta)

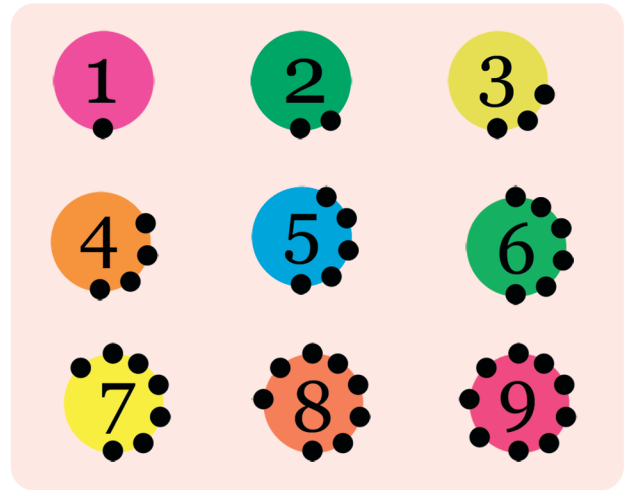
- 11.1 Maalinta..... 108
- 11.2 Maalmaha Todobaadka..... 110

Cutub 12 Ururinta iyo habaynta xogta

- 12.1 Giraafyada fudud 111
- 12.2 Habaynta xogaha xisaabta ah..... 114

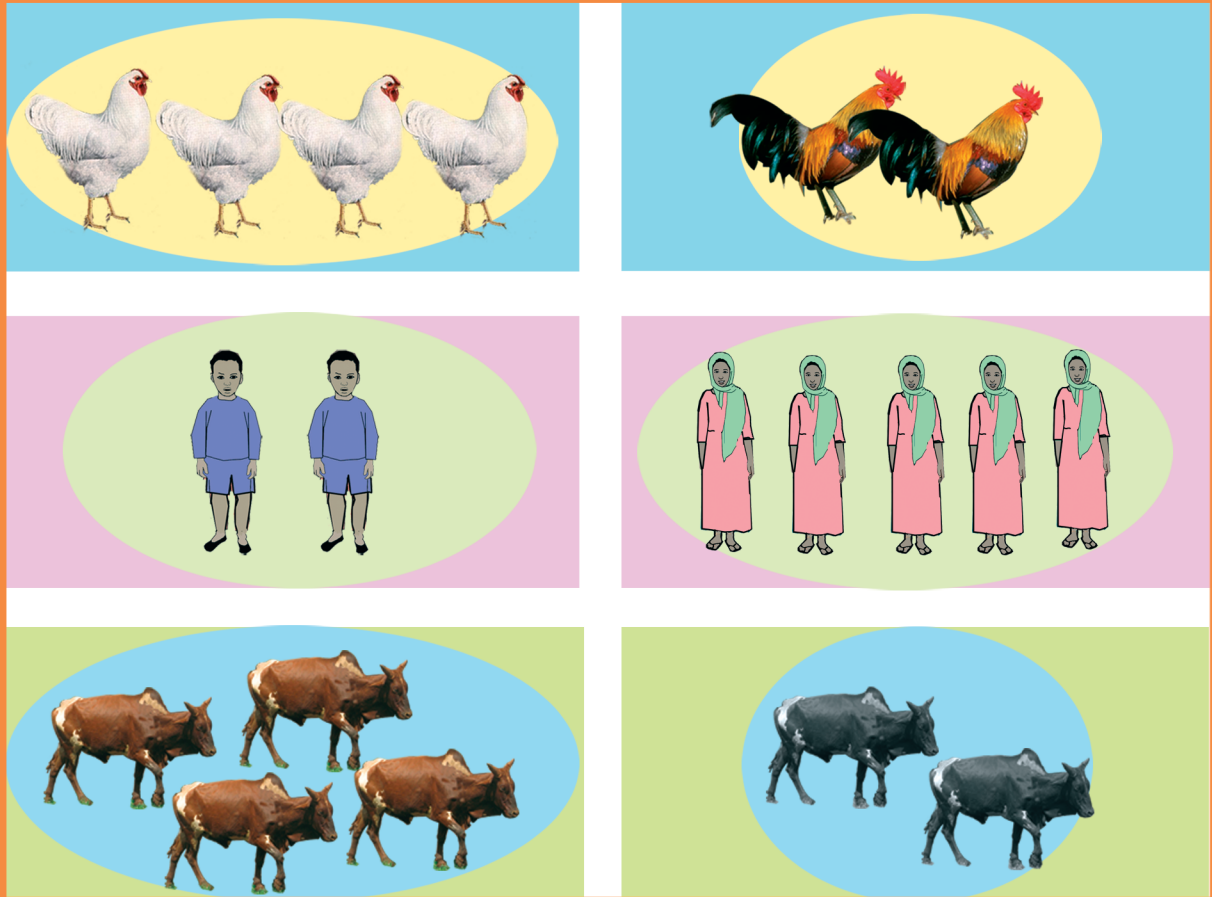
CUTUBKA 1 aad

TIROOYINKA TIRSIIMO ILAA 9



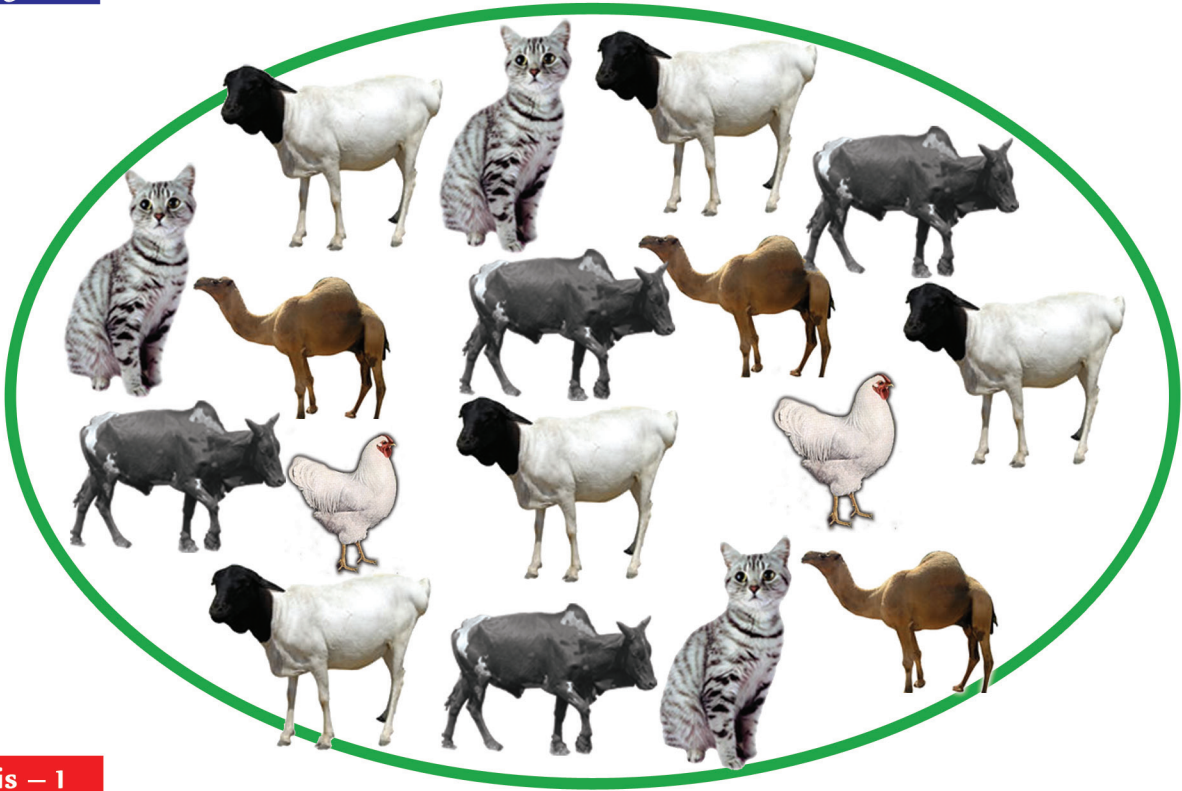
Hawlgalka-1

1.1 TIROOYINKA TIRSIIMO 1 ILLA 5 IYO HORSANAANTOODA.



Hawlgalka-1 Ugu horayn ardaydu ha u fiirsadaan sawirada is barbar yaala ee sare ku xusan. Idinka oo u kala saaraya kuwa ugu tirada badan iyo kuwa ugu tirada yar. Marka xigana iyaga oo isbarbar dhigaya ha kala sheegaan iyaga u adeegsanaya “ka badan” iyo “ka yar”

Hawlgalka-2



Laylis – 1



Hawlgalka-2 Aradaydu iyaga oo kooxaynaya xayawaanada kor ku sawiran waxay u kala soocayaan noocyada isku midka ah. kadibna iyaga oo u fiirsanaya nooc kasta tiradiisa waxay baranayaan erayada “ka badan” “ka yar” “isle’eg” iyo “tiro yar” tiro badan”

Laylis -1 Sawirada Hawlgalka 2^{aad} ee sare ku xusan marlabaad ardaydu inta ay u fiirsadaan iyaga oo isbarbardhigaya isla markaa na ku dhawaaqaya kuwa yar iyo kuwa badan. Tusaale isbarbar dhigida tirada wananka iyo tirada geela. Kadibna ardaydu ha adeegsadaan erayada “kaweyn” iyo “ka yar”

1

2

3

4

5

6

7

8

9

Hawlgalka-3



1



2



3

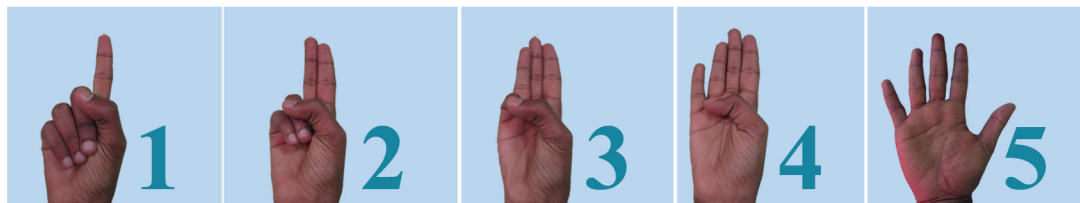


4



5

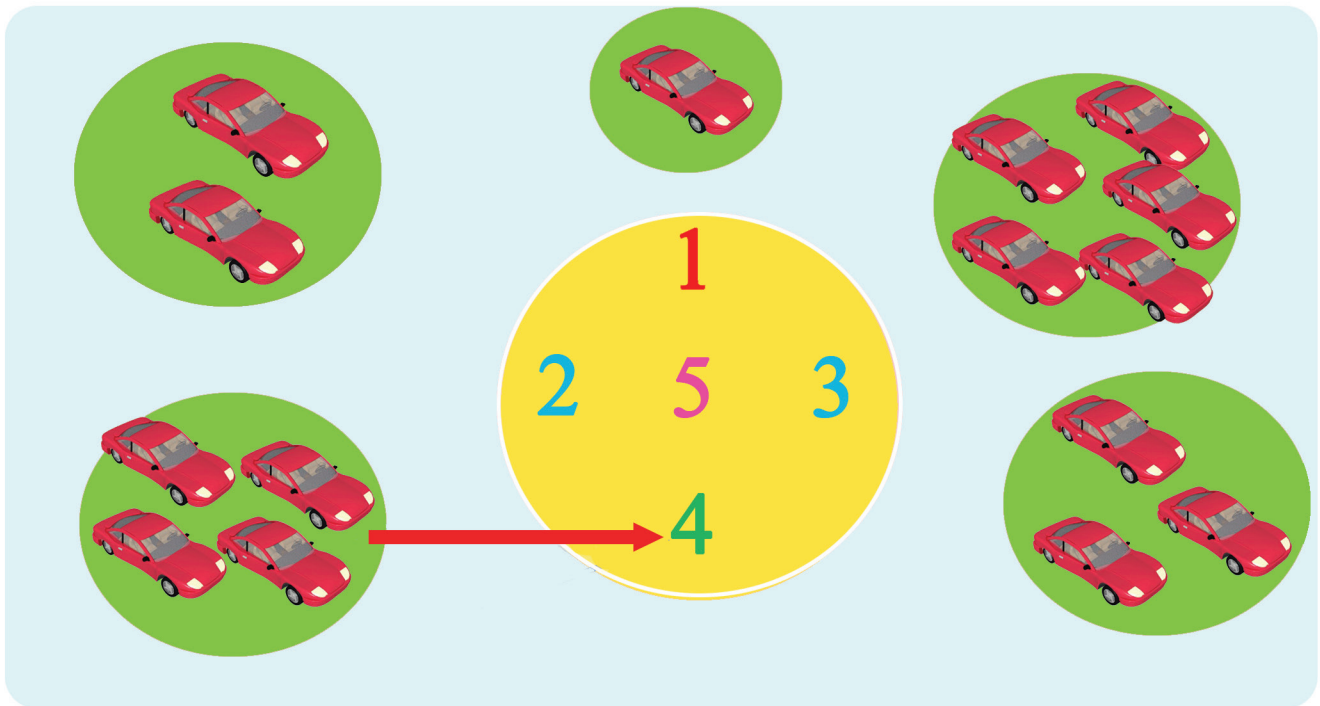
Hawlgalka-4



- Hawlgalka-3** - Ardaydu iyaga oo codkooda kor u qaadaya ayay tirinayaan tirooyinka hal ilaa shan
- Tira kasta Sawirka barbar yaala inta ay la xidhiidhiyaan oo ay sawirada tiriyaan ayay u fiirsanayaan astirooyinka.
 - Laba digaagadood marka ay tiriyaan oo ay u fiirsadaan tirada 2 kadibna fartooda inta ay fidiyaan ayay tiradan hawada ku qorayaan. Hawoshaas oo kale na tirooyinka 1 ilaa 5 iyaga oo ku celcelinaya ayay sii wadayaan

- Hawlgalka-4** Farahooda Sida sawirka sara ku xusan ayey 1 ilaa 5 tirinayaan. waxayna u fiirsanayaan tirada sawir keeda.

Laylis-2



Hawlgalka-5 shaqo fasal

	1	2	3	4	5

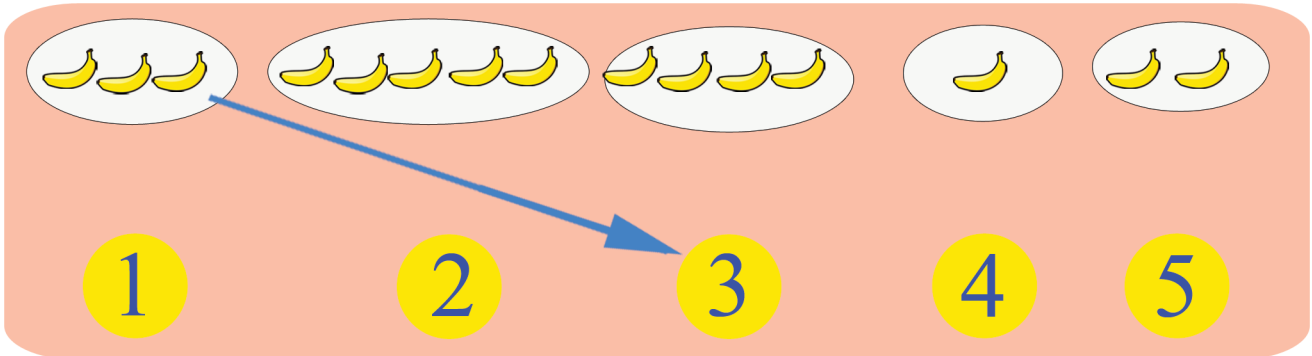
Laylis -2 Korka sawirada goobooyinka ku jira inta ay tiriyaan ha ku aadiyaan astirooyinka la qoray 1 ilaa 5.

Hawlgalka-5 Aleesha saxanka ku jirta ayey ku beegayaan inta aleel ee u dhiganta astiraha.

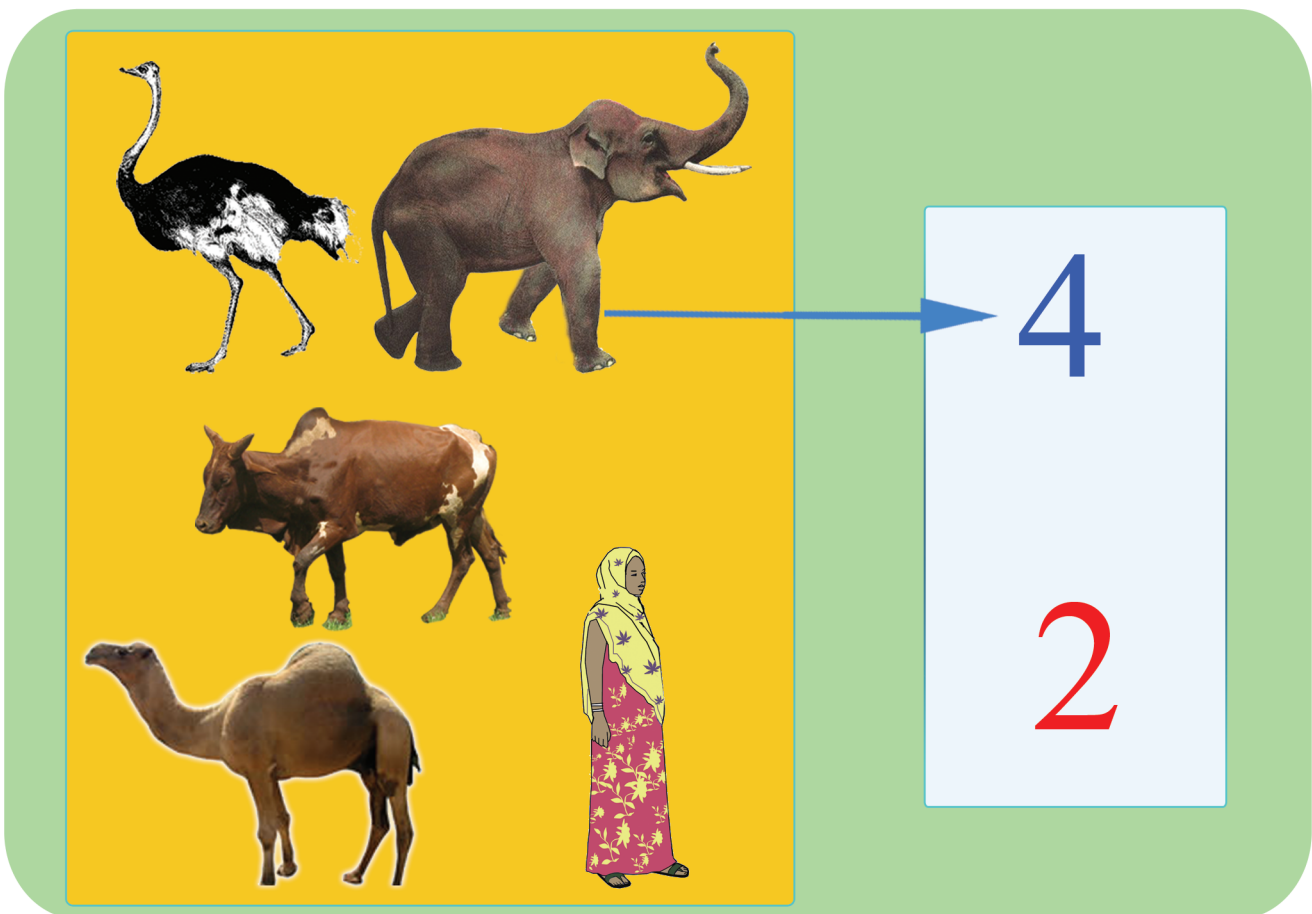
furka qaruradaha ee saxanka ku jirta ayey ku beegayaan inta furee u dhiganta astiraha.



Laylis - 3



Laylis - 4



Laylis 3

Tirada muuska iyo astirooyinka 1 ilaa 5 ha isku aadiyaan.

Laylis 4

Ardaydu sawirada kaladuwan ee sare ku xusan Inta ay u fiirsadaan tirada lugaha iyo astirada ku hor qoran ha isku aadiyaan.






Laylis 5

/	/	/	/	/	/	/	/	/	/
((((((((((
))))))))))

Laylis 6

1	1	1	1						
2	2	2	2						
3	3	3	3						
4	4	4	4						
5	5	5	5						

Laylis 7

	1	1	1	_____	_____
	2	_____	_____	_____	_____
	3	_____	_____	_____	_____
	4	_____	_____	_____	_____
	5	_____	_____	_____	_____

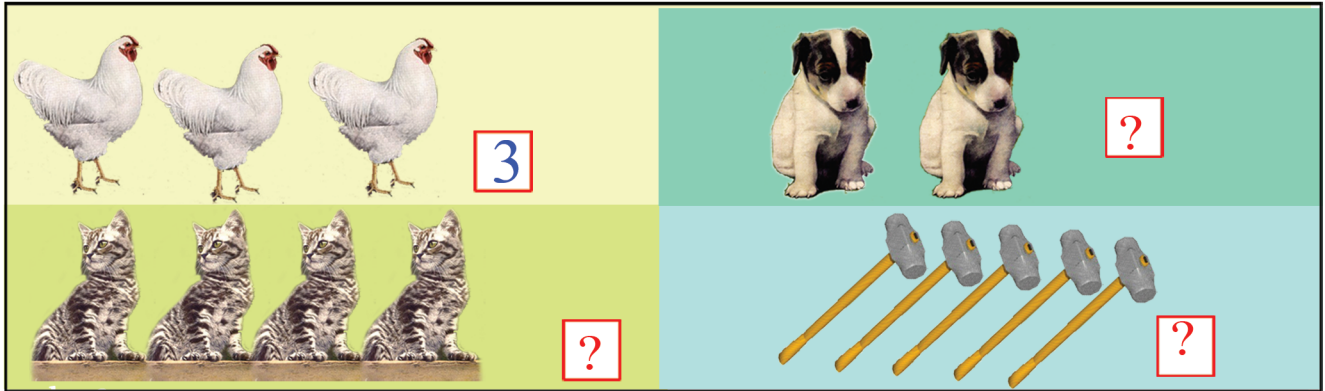
Laylis 5 Astirooyinka qoristooda si ay karti ugu yeeshaan calaamadaha korka lagu muujiyay (1 / ())buugooda dhaxdiisa iyaga oo ku celcelinaya ha ku feegaraan.

Laylis 6 Tirooyinka 1 ilaa 5 astirooyinkooda fartood into ay fiiqaan hawda inta ay ku qoraan ha barbartaan.
Tirooyinka 1 ilaa 5 isu jira ee dhibicooyinka lagu qoray ha muujiyaan.

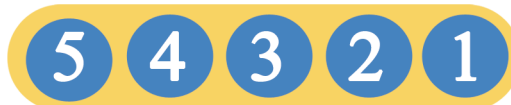
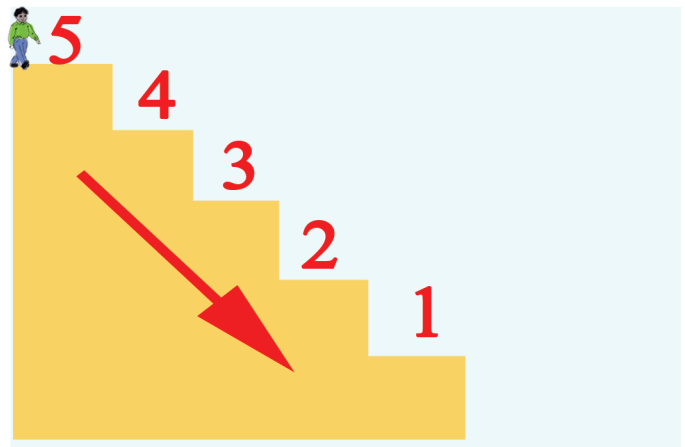
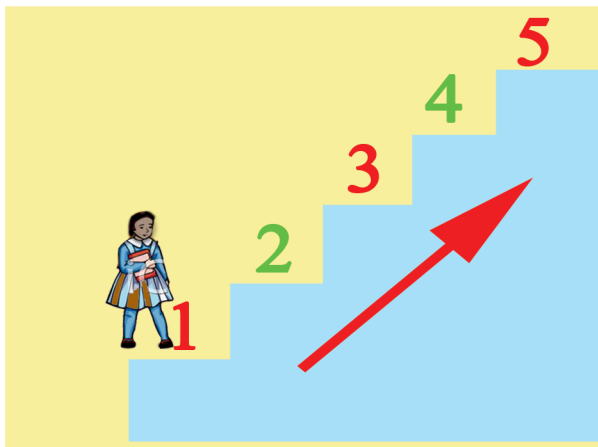
Laylis 7 Midhaha bunka inta ay tiriyaan tiradooda iyaga oo ku celcelinaya buugooda ha ku qoraan.



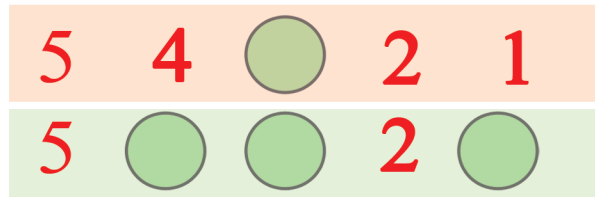
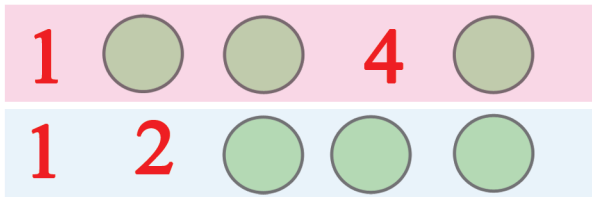
Laylis - 8



Hawlgalka-6



Laylis - 9



Laylis-8

Sawirada inta ay tiriyaan sida tusaalaha lagu tusay sanuduqa ha ku dhax qoraan astiraha, u dhigma tirada.

Hawl dheeraad ah: tirooyinka 1 ilaa 5 iyaga oo codkooda kor u qaadaya inta ay ku celceliyaan ha akhriyaan.

Hawlgalka-6

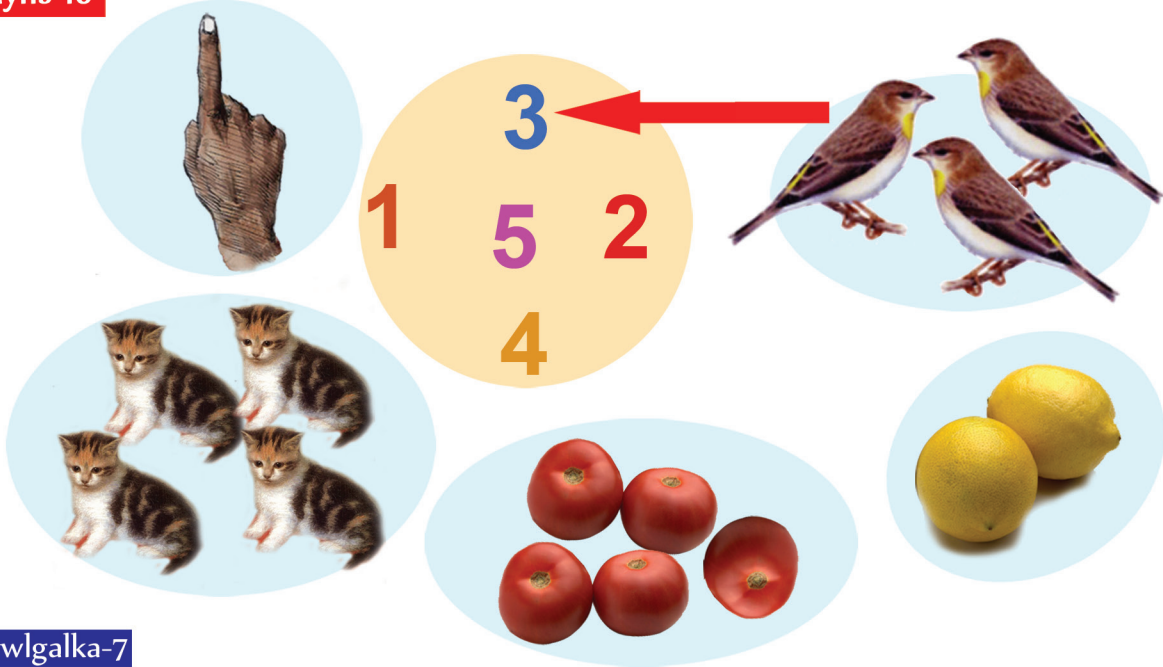
Jaranjarada inta ay koraan tirooyinak 1 ilaa 5 kor ha u tiriyaan.

Jaranjarada hoos inta ay u dagaan tirooyinka shan inta ay kaga bilaabaan dib ha u tiri yaan.

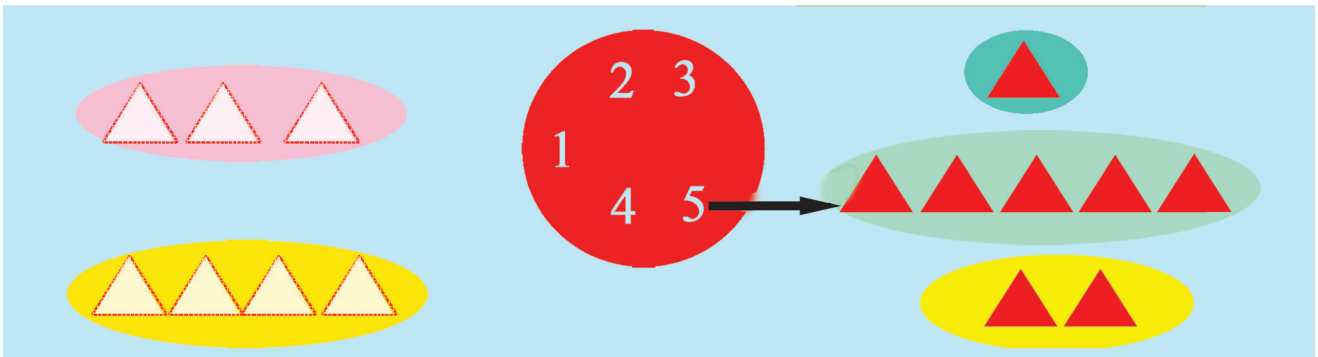
Laylis -9

Tirooyinku hanaanka ay u taxan yihiin inta ay u fiirsadaan meelaha bannaan tirada ku haboon ha ku buuxiyaan.

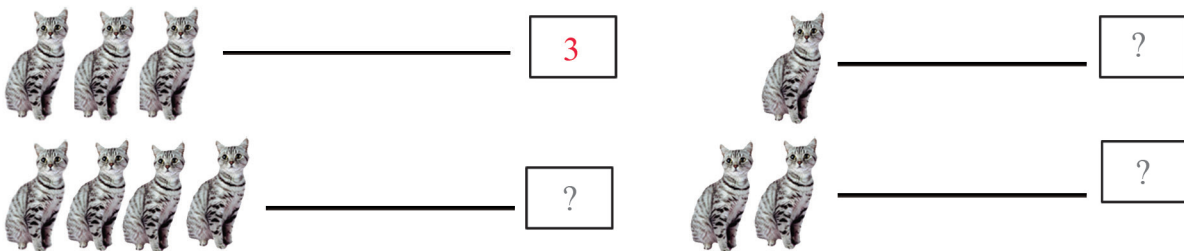
Laylis-10



Hawlgalka-7



Laylis-11



Laylsi - 10

Tirada sawirada walxaha goobooyinka dhexyaala iyo astiraha u dhigma isku aaddiyaan iyaga oo xariiq isticmaalaya.

Hawlgalka-7

Saddaxagaladda ay dhinacyadoodu yihiin dhibco taxan buugtooda inta ay ku guuriyaan dhibcaha ha isku xidhiidhi yaan oo ha muujiyaan. haddii ay awoodi karaan ha midabeeyaan. kadib na tirada saddaxagaladda ee koox koox isugu urursan iyo astirooyinka goobada ku jira ha isku aaddi yaan.

Laylis - 11

Sawirada inta ay tiriyaan natiijada sanduuqa ha ku dhaxqoraan

Hawlgalka-8

5 > 2

? = ?

? < ?

>

=

<

1 2 3 4 5

2 > 1 4 > 3 5 > 4

>

=

<

Laylis - 12

? < ?

4 ? ?

Hawlgalka-8 Labada kolay (Saladood) tirada liinta ku dhexjirta inta ay isbarbardhigaan ha u adeegsadaan calaamada (sumadda) kaweynta (>) si ay u fahmaan. Tirada muuska labada dhinac ku kala yaala inta ay isbarbardhigaan calaamada isle'egta (=) ha u adeegsadaan si ay u fahmaan. Xariiqa tirada dusheeda marka dhinaca middigta loo socdo tirooyinku inay kordhaan ha arkaan.

Laylis - 12

Labada urur sawirada ku jira tirooyinkooda int ay sanduuqa ku dhaxqoraan ha isbarbardhigaan oo meesha calaamada su,aasha ha ku qoraan calaama - daha >, < ama = mida ku haboon.



Hawlgalka-9

2 < 5



? ? 4

5 ? ?

Laylis – 13

4 > 3	2 ? 1	2 ? 2
4 ? 4	5 ? 5	5 ? 1
2 ? 5	1 ? 4	3 ? 5

Laylis – 14

5	4	3	?	1
?	4	3	2	?

5	4	?	?	?
5	?	?	?	1

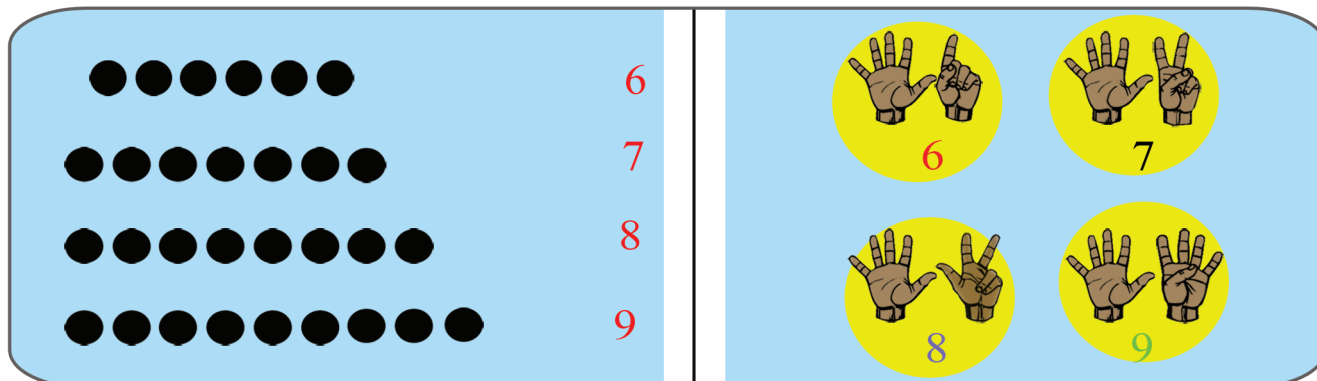
Hawlgalka-9 Ardaydu si ay u fahmaan hawsha ay qaba na yaan waa inay tiriyaan sawirada. kadibna ay isbarbar dhigaan iyaga oo adeegsanaya calaamadaha ka weyn ka yar iyo isle'eg ha ku muujiyaan sanduuqa sida tusaala ha lagu muujiyay oo kale

Laylis-13 Tirooyinka inta ay isbarbardhigaan calaamadaha <, = ama > midda ku haboon sanduuqa ha dhexgaliyaan, iyaga oo colaamada su'aasha (?) sanaduuqa ka saarya.

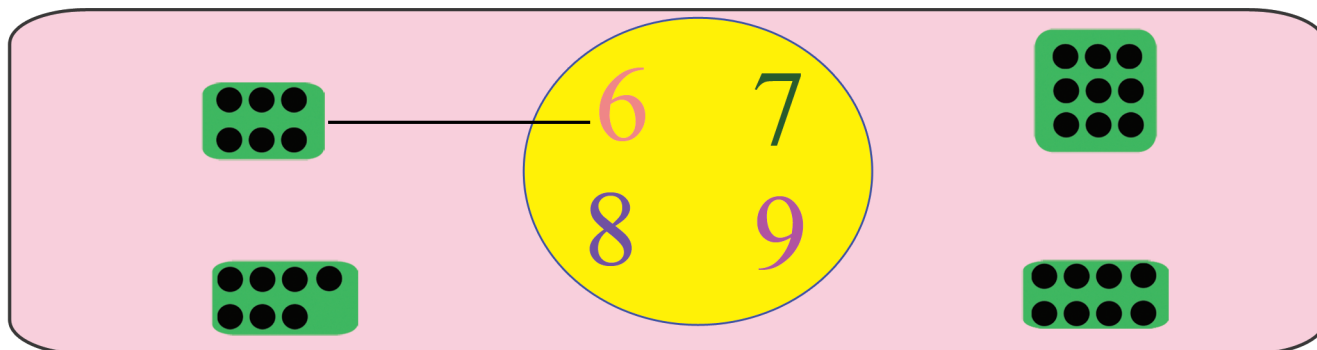
Laylis – 14 Horsanaanta tirooyinka ta yar ilaa ta weyn ama ta weyn ilaa ta yar inta ay u fiirsadaan meelaha bannaan ha buuxiyaan.

1.2 Tirooyinka tirsiiimo 6 ilaa 9 iyo Horsanaantooda

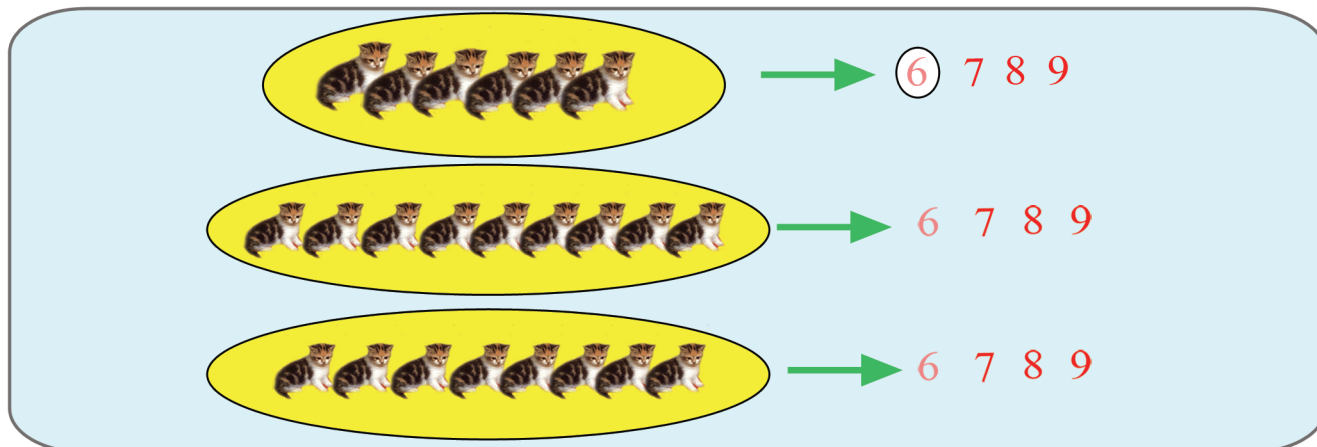
Hawlgalka-10



Laylis-15



Laylis-16



Hawlgalka-10 Ardaydu codkooda sare iyaga oo u qaadaya tirooyinka 6 ilaa 9 inta ay ku celceliyaan ha akhriyaan.

Baraha iyo faraha ha tiriyaan.

Laylis-15 Tirada Baraha iyo astirooyinka ha isku aadiyaan.

Laylis-16 Sawirada inta ay tiriyaan astiraha U dhiganta ha goobaabaan.

**Laylis - 17**

6	6	6	6					
7	7	7	7					
8	8	8	8					
9	9	9	9					

Laylis – 18

6 ● ● ● ● ● ●

7 _____

8 _____

9 _____

Hawlgalka-II

1	2	3	?	?	?	7	?	?
1	?	3	?	5	?	?	?	9
1	?	?	?	?	6	7	?	?
?	2	?	4	?	?	?	?	9

Laylis 17 Astirooyinka dhibcaha (xariiqaha go go'an) lagu qoray inta ay dhibcaha ama xariiqaha go go'an isku xidhii dhiyaan astirooyinka ha muujiyaan oo ha qoraan, Kadibna inta ay ku celceliyaan ha feegaraan.

Laylis 18 Astiraha 6 sida lagu tusaaleeyay astirokasta inta baro ee u dhiganta ha u sawiraan (sameeyaan)

Hawlgalka-II Meelaha banaan tirooyinka ka maqan ha ku buuxiyaan.

1

2

3

4

5

6

7

8

9

Laylis – 19

5 → 4 → 3 → 3 → 6 → 7 → 6 → 1 → 2 →

Hawlgalka-12

9 8 7 6 5 4 3 2 1

Laylis – 20

8 ← 9

? ← 6

? ← 2

? ← 3

? ← 8

? ← 7

Laylis – 21



Laylis-19

Tirada la siiyay tirada ku xigta sanduuqa ha dhex dhigaan.

Haddii ay suuroobayso erayada 'kahoreeye' iyo 'kadambeeye' ha qoraan tirada.

Hawlgalka-12

9 inta ay ka bilaabaan dib u tirinta ha isku dayaan.

Laylis-20

Tirooyinka kahoreeyaasha ah sanduuqa ha ku dhex qoraan.

Laylis-21

Sawirada inta ay tiriyaan natijada sanduuqa ha dhex dhigaan.



Hawlgalka-13

	5 > ?	
	? ? ?	
	? ? ?	
	? ? ?	

Laylis 22

9 > 6	3 ? 8	7 ? 4	6 ? 1
5 ? 8	8 ? 9	8 ? 3	9 ? 8

Hawlgalka-13 Tirada sawirada astirada u dhiganta sanduuqa ha ku dhax qoraan. Kadibna sawirada inta ay isbarbar dhigaan meesha calaamada su,aasha (?) ha ku qoraan calaamada <, = ama > .

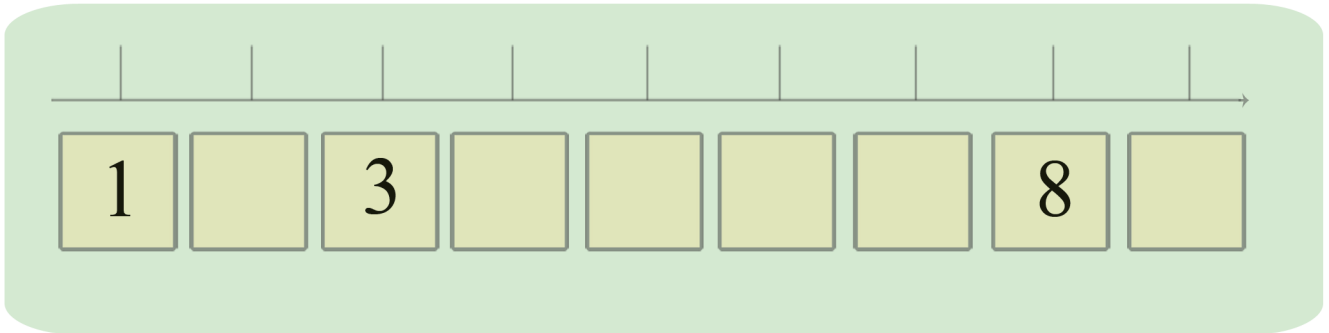
Laylis 22 Tirooyinka inta ay isbarbardhigaan sanduuqa dhexdiisa calaamada <, = ama > ha dhex dhigaan.

Hawlgalka-14

Hawlgalka-14 Kooxda kowaad tirada faraha iyo tirada dhibcaha ha isku aadiyaan. Safka labaad bisadaha kuwa isku midabka ah inta ay gaar u tiriyaan tiradooda ha qoraan. kooxda saddexaad saddaxagalada leh midabyada kala duwan kuwa isku midabka ah gaar intaay u tiriyaan tiradooda ha qoraan.



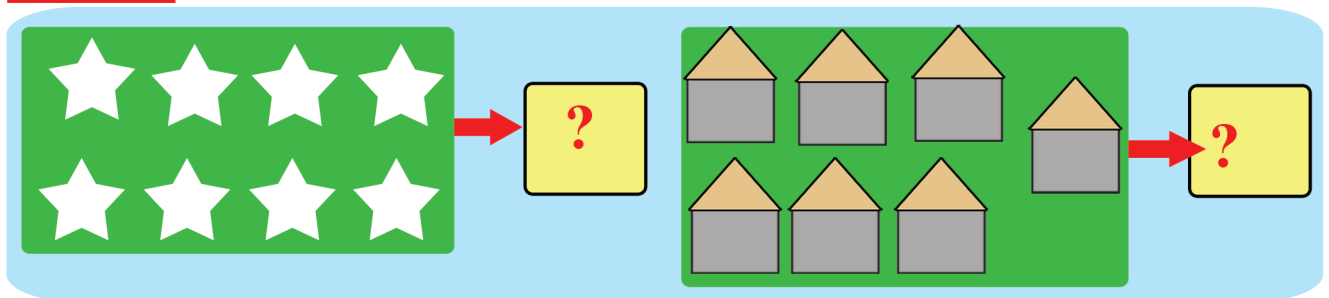
Hawlgalka-15



Hawlgalka-16 halxidhaale



Laylis – 23



Hawlgalka-15 Ha buuxiyaan tirooyinka maqan.

Hawlgalka-16 Baraha tirada 1 inta ay kaga bilaabaan iyaga oo baraha xariiqo toosan isugu xidhiidhinaya meeshay ka bilaabeen ha ku soo noqdaan.

Laylis 23 Sawirada inta ay tiriyaan natiijada sanduuqa ha ku dhax qoraan.

CUTUBKA 2aad

ISUGEYNTA IYO KALAGOYNT TIROOYINKA TIRSIIMO ILAA 9

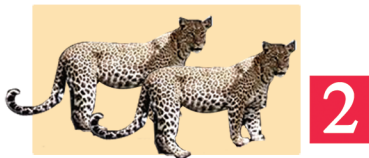
$+$ $-$ $=$
 $2 + 5 = 7$
 $7 - 2 = 5$

2.1 Isugeynta tirooyinka tirsiimo ee wadartoodu tahay ilaa 9

Isugeynta tirooyinka tirsiimo 1 ilaa 5




Hawlgalka-1




Tirin








Isugeyn

Hawlgalka- 2

 $2 + 1$  $=$  3 $2 + 1 = 3$

 $3 + 2$  $=$  $?$ $3 + 2 = 5$

 $2 + 1$  $=$  $?$ $2 + 1 = ?$

 $?$ $+$ $?$  $=$ $?$ $? + ? = 5$










Hawlgalka-1

Tirinta sawirada iyo tirada oo sanduuqa lagu dhex qorayo.





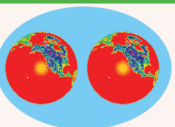
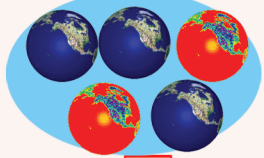
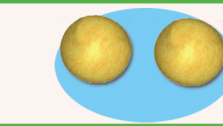
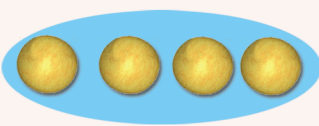


Hawlgalka-2

Ka shaqeynta isugeynta iyada oo la tirinayo sawirada ururada ku dhex jira iyo sida tusaalaha lagu tusay isugeynta iyada oo sawirada la tirinayo.

Laylis - 1

 +  = 	$1 + 2 = $ <input type="text" value="?"/>
 +  = <input type="text" value="?"/>	$3 + 1 = $ <input type="text" value="?"/>
 +  = <input type="text" value="?"/>	$1 + 4 = $ <input type="text" value="?"/>
 +  = <input type="text" value="?"/>	$2 + 3 = $ <input type="text" value="?"/>

Laylis - 2

 + 		$2 + 1 = 3$
<input type="text" value="2"/> + <input type="text" value="1"/> = 3		
 + 		$3 + 2 = $ <input type="text" value="?"/>
<input type="text" value="3"/> + <input type="text" value="2"/> = <input type="text" value="?"/>		
 + <input type="text" value="?"/>		$2 + $ <input type="text" value="?"/> $= 4$
<input type="text" value="?"/> + <input type="text" value="?"/> = <input type="text" value="?"/>		
 + 	<input type="text" value="?"/>	$3 + 1 = $ <input type="text" value="?"/>
<input type="text" value="?"/> + <input type="text" value="?"/> = <input type="text" value="?"/>		

Laylis 1

Raadinta wadarta iyada oo baraha inta la tiriyo la isku darayo.

Laylis 2

Garashada tirada ku haboon ee sanduuqa dhexdiisa iyada oo la adeegsanayo sawirada.

Hawlgalka-3

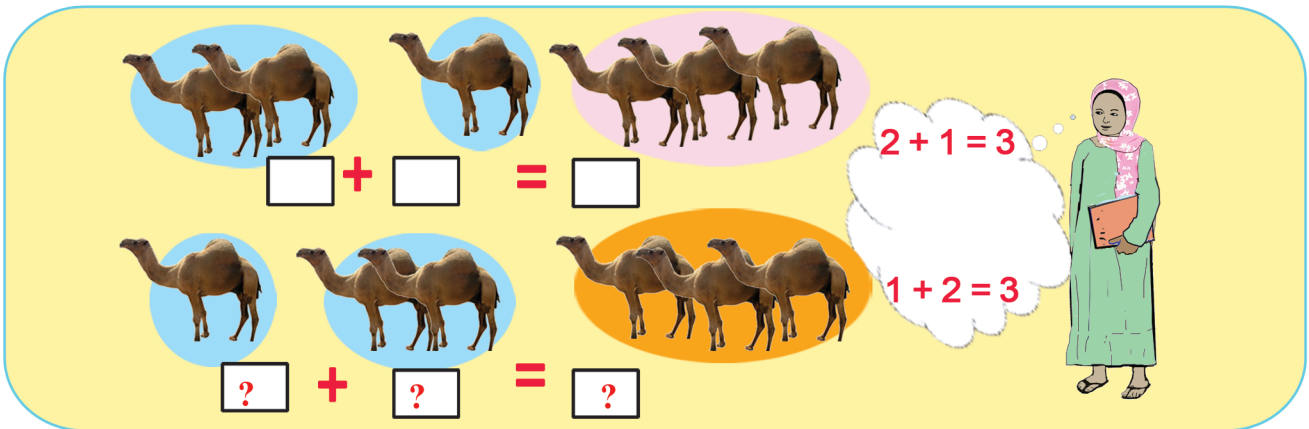


Illustration showing two groups of camels. The first group has 2 camels in a blue oval and 1 camel in a blue oval, with the equation $\square + \square = \square$ below. The second group has 1 camel in a blue oval and 2 camels in a blue oval, with the equation $?\square + ?\square = ?\square$ below. A girl in a green dress and pink headscarf is thinking, with thought bubbles containing $2 + 1 = 3$ and $1 + 2 = 3$.

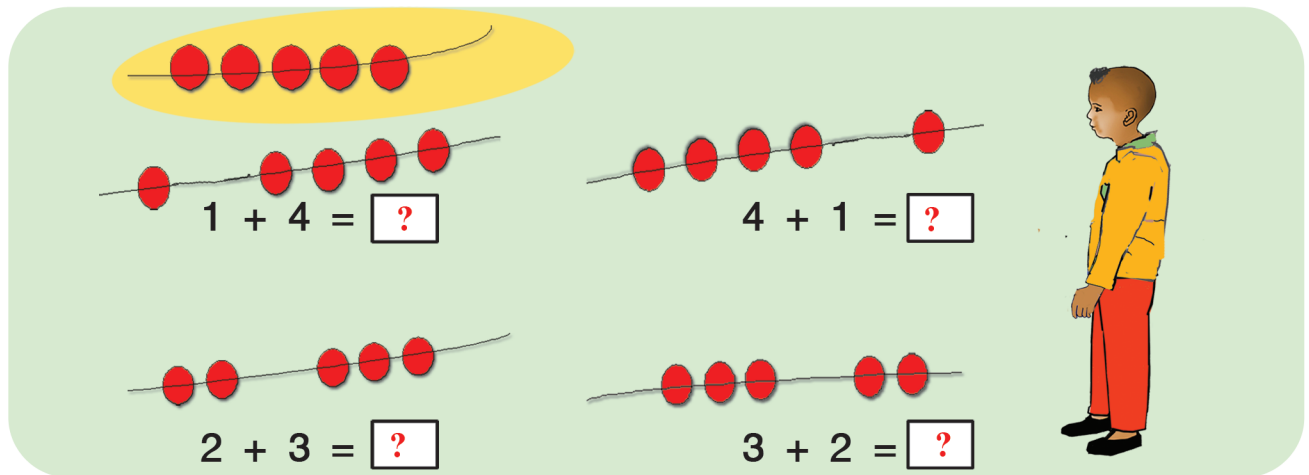


Illustration showing four strings of beads. The first string has 5 beads (1 yellow, 4 red) with equation $1 + 4 = ?\square$. The second string has 5 beads (4 red, 1 yellow) with equation $4 + 1 = ?\square$. The third string has 5 beads (2 red, 3 red) with equation $2 + 3 = ?\square$. The fourth string has 5 beads (3 red, 2 red) with equation $3 + 2 = ?\square$. A boy in a yellow shirt and red pants is standing to the right.

Laylis - 3

$1 + 3 = ?\square$	$3 + 1 = ?\square$
$2 + 1 = ?\square$	$1 + 2 = ?\square$
$1 + 4 = ?\square$	$4 + 1 = ?\square$

Hawlgalka-3 Weydiimaha isugeynta inta ay ka shaqeeyaan ha isbarbardhigaan isugeynta labada dhinac ku kala yaala. Kadibna go'aan guud ha gaadhaan.

Laylis 3 Weydiimaha isugeynta inta ay ka shaqeeyaan ha isbarardhigaan isugeynta labada dhinac ku kala yaala kadibna go'aan guud ha gaadhaan.

0

1

2

3

4

5

6

7

8

9

+

-

=

Hawlgalka – 4 Faro ku tirinta

Laylis – 4 Isugeyn iyada oo faraha lagu tirinayo

$$5 + 1 = \boxed{?}$$

$$5 + 3 = \boxed{?}$$

$$5 + 4 = \boxed{?}$$

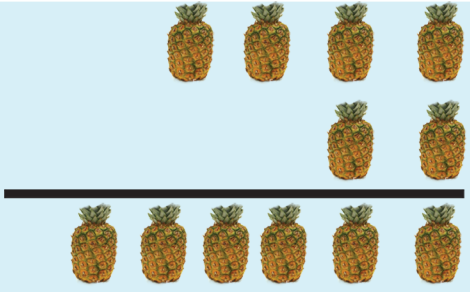
$$4 + 5 = \boxed{?}$$

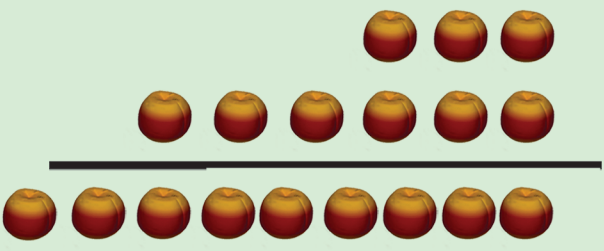
$$3 + 5 = \boxed{?}$$

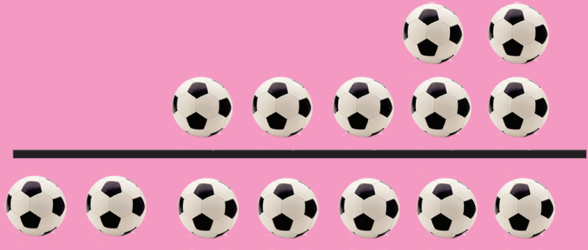
Hawlgalka 4 Ku hoggaami inay farahooda ku tiriyaan.

Laylis 4 Xisaabinta isugeynta iyada oo faraha lagu tirinayo.

Hawlgalka-5

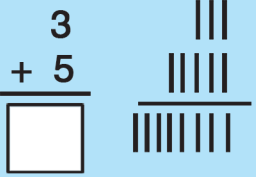
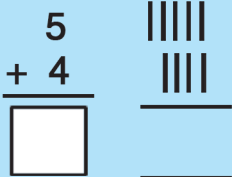


$$\begin{array}{r} 4 \\ +2 \\ \hline \boxed{6} \end{array}$$


$$\begin{array}{r} 3 \qquad 6 \\ +6 \qquad +3 \\ \hline \boxed{9} \qquad \boxed{} \end{array}$$


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

Laylis- 5

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

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

$$\begin{array}{r} 6 \\ +3 \\ \hline \boxed{} \end{array}$$

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

Hawlgalka 5 Joog isugu geynta iyada oo sawirada la adeegsanayo
Laylis 5 Joog isugu geynta iyada oo la adeegsanayo xariiq

Laylis - 6

$4 + 3 = 7$	
$2 + 5 = \boxed{?}$	
$5 + 3 = \boxed{?}$	
$6 + 2 = \boxed{?}$	

Hawlgalka-6

Miisaanka sidee loo dheeli tiri karaa?

$2 + \boxed{?} = 8$

Laylis - 7

Masalooyin (Weedh xisaabeedyo)

$\boxed{?} + 2 = 8$

Laylis-6

Tirada u horaysa meesha ay ku taalo inta lagaga bilaabo ayaa tirada labaad inta ay le'eg tahay dhinaca midigta loo tirin kadibna meesha la gaadho tirada ku taalaa waa jawaabta.

Hawlgalka-6

Midig iyo biddix tirada liin dhanaanta ku jirtaa haddii ay isle'eg yihiin miisaanka dhaxdiisa tirada liin dhanaanta ku Jirtaa waa imisa?

Laylis-7

Samaynta masalo sawirka waafaqsan.

0

1

2

3

4

5

6

7

8

9

+

-

=

Hawlgalka-7

$$2 + \boxed{?} = 6$$

$$1 + \boxed{?} = 7$$

$$3 + \boxed{?} = 8$$

$$2 + \boxed{?} = 9$$

$$5 + \boxed{?} = 9$$

$$4 + \boxed{?} = 9$$

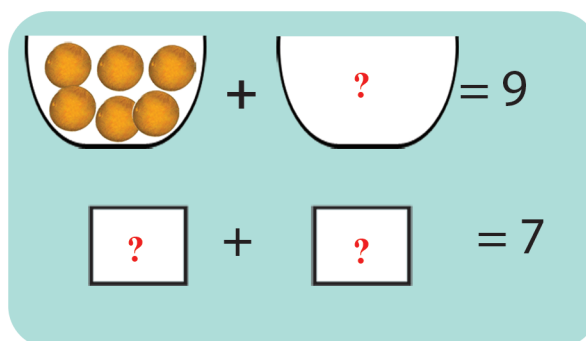
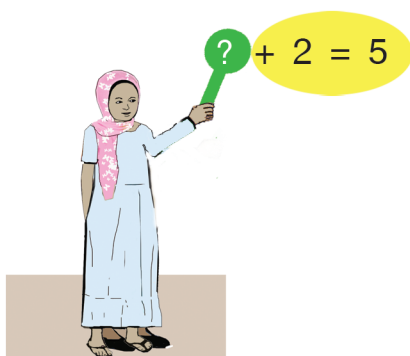
Laylis- 8

Wadar 5		
1	+	4
2	+	?
3	+	?
4	+	?

Wadar 7		
1	+	6
2	+	?
?	+	4
4	+	?

Wadar 9		
1	+	8
2	+	?
3	+	?
?	+	4

Laylis- 9



Hawlgalka- 7 Xisaabinta (raadinta) tirada maqan

Laylis-8 Shax kasta ha ku buuxiyaan tirada ka maqan ee dhamaystiraysa wadarta la siiyay

Laylis-9 Samaynta (ama dhisida) mas'aloo (weedh-xisaabeed) waafaqsan sawirka.

0

1

2

3

4

5

6

7

8

9

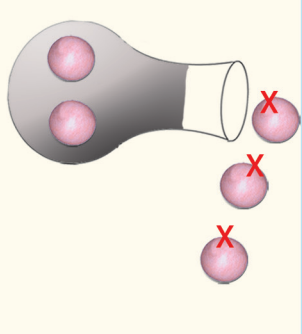
+

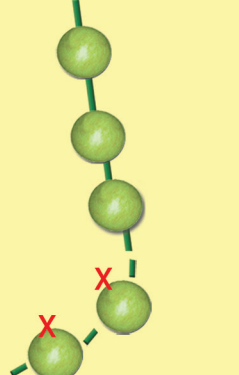
-

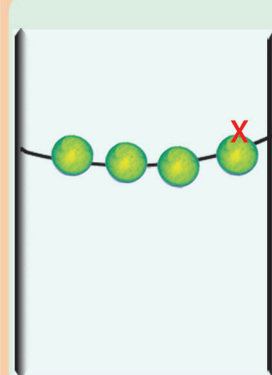
=

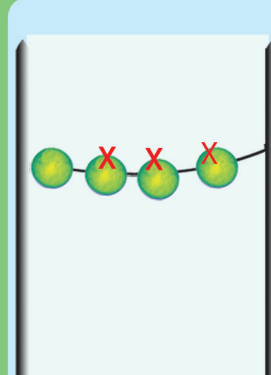
2.2 Kalagoynta tirooyinka tirsiiimo ilaa 9

Hawlgalka-8



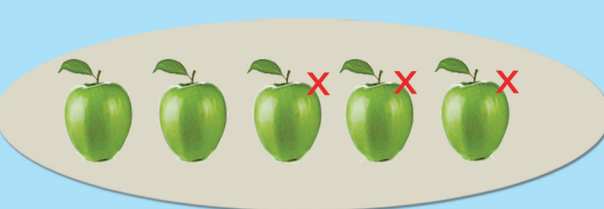
$$5 - 3 = \boxed{2}$$



$$5 - 2 = \boxed{}$$



$$4 - 1 = \boxed{}$$


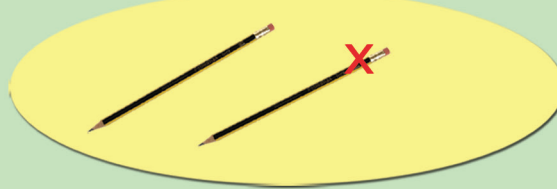
$$4 - 3 = \boxed{}$$

Laylis- 10



$$5 - 3 = \boxed{?}$$


$$5 - 4 = \boxed{?}$$


$$4 - 2 = \boxed{?}$$


$$2 - 1 = \boxed{?}$$

Hawlgalka-8 Eeg sawirka oo natiijada sanduuqa ku dhax qor .

Laylis- 10 Faraqa sanduuqa ku dhax qor.

Laylis - 11

$$\begin{array}{r} 8 \\ - 5 \\ \hline \end{array}$$

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

$$\begin{array}{r} 9 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ - 3 \\ \hline \end{array}$$

Hawlgalka-9

$$\boxed{7} - \boxed{2} = \boxed{?}$$

$$\boxed{?} - \boxed{?} = \boxed{?}$$

$$\boxed{?} - \boxed{?} = \boxed{?}$$

$$\boxed{?} - \boxed{?} = \boxed{?}$$

Laylis-11 Joog u kala goyn iyada oo sawirada la eegayo.

Hawlgalka-9 Adiga oo tirinaya kuwa laga tirtiray sanduuqa dhaxdiisa ku buuxi tirada saxda ah.

Laylis- 12

$3 - 1 =$ <input <="" td="" type="text" value="?"/> <td></td>	
$4 - 3 =$ <input <="" td="" type="text" value="?"/> <td></td>	
$5 - 2 =$ <input <="" td="" type="text" value="?"/> <td></td>	
$5 - 4 =$ <input <="" td="" type="text" value="?"/> <td></td>	
$5 - 2 =$ <input <="" td="" type="text" value="?"/> <td></td>	
$7 - 2 =$ 5	
$6 - 5 =$ <input <="" td="" type="text" value="?"/> <td></td>	
$9 - 2 =$ <input <="" td="" type="text" value="?"/> <td></td>	

Laylis - 13

	9
	$9 - 1 =$ <input type="text" value="8"/>
	$9 - 2 =$ <input <="" td="" type="text" value="?"/>
	$9 - 3 =$ <input <="" td="" type="text" value="?"/>
	$9 - 4 =$ <input <="" td="" type="text" value="?"/>
	$9 - 5 =$ <input <="" td="" type="text" value="?"/>
	$9 - 6 =$ <input <="" td="" type="text" value="?"/>
	$9 - 7 =$ <input <="" td="" type="text" value="?"/>
	$9 - 8 =$ <input <="" td="" type="text" value="?"/>

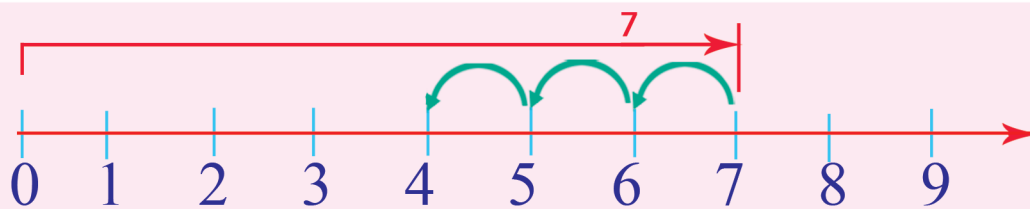
Laylis 12

Sanduuqa dhexdiisa ha ku buuxiyaan faraqa

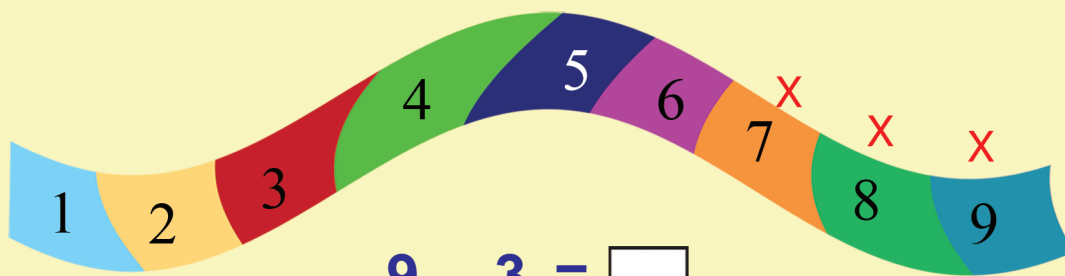
Laylis 13

Raadinta faraqa iyada oo sida tusaalaha lagu muujiyay la tirinayo sawirada.

Hawlgalka-10



$$7 - 3 = \square$$



$$9 - 3 = \square$$

Laylis-14

$9 - 4 = \square ?$

$8 - 4 = \square ?$

$8 - 2 = \square ?$

$7 - 5 = \square ?$

$9 - 6 = \square ?$

$9 - 1 = \square ?$

$6 - 4 = \square ?$

$7 - 6 = \square ?$

$8 - 6 = \square ?$

Laylis-15

9	5	7	9	6
- 6	- 1	- 5	- 8	- 4
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
8	9	7	6	8
- 4	- 2	- 5	- 3	- 6
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Hawlgalka-10 Kalagoyn iyada oo falaadha tirada dusheed dib loo soconayo.

Laylis-14 Jiif u kalagoyn

Laylis-15 Joog u kalagoyn

0

1

2

3

4

5

6

7

8

9

+

-

=

Hawlgalka-11



$$8 - 6 = 2$$

$$8 - 2 = 6$$

$$2 + 6 = \boxed{?}$$



$$7 - 3 = 4$$

$$7 - \boxed{?} = 3$$

$$3 + 4 = \boxed{?}$$



$$9 - \boxed{?} = 5$$

$$9 - \boxed{?} = 4$$

$$4 + 5 = \boxed{?}$$

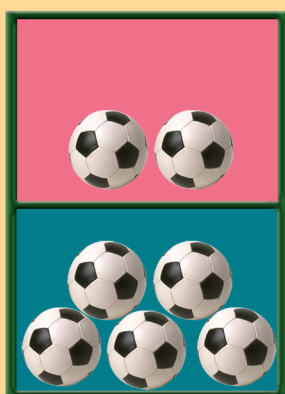


$$9 - 6 = \boxed{?}$$

$$9 - \boxed{?} = 6$$

$$3 + 6 = \boxed{?}$$

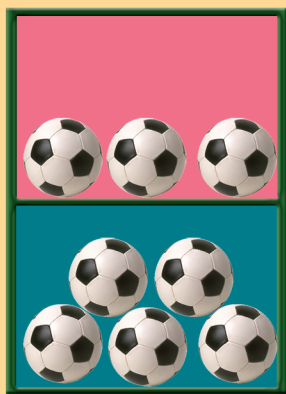
Hawlgalka-12



$$2 + 5 = \boxed{?}$$

$$7 - 2 = \boxed{?}$$

$$7 - 5 = \boxed{?}$$



$$3 + 5 = \boxed{?}$$

$$8 - 3 = \boxed{?}$$

$$8 - 5 = \boxed{?}$$



$$4 + 5 = \boxed{?}$$

$$9 - 4 = \boxed{?}$$

$$9 - 5 = \boxed{?}$$

Hawlgalka-11 Natiijada inta ay sanduuqa ku dhex qoraan ayay u fiirsanayaan oo ay akhrisanayaan xidhiidhka ka dhexeeya isugeynta iyo kala goynta.

Hawlgalka 12 Kubadaha inta ay tiriyaan oo ay ku shaqeeyaan xisaabfalada isugeynta iyo kalagoynta waxay u fiirsanayaan xidhiidh ka dhaxeeya isugeynta iyo kalagoynta.

Laylis-16

8 - 2 = ?

7 - 4 = ?

? - 4 = 3

? - 5 = 4

Laylis-16

Ha qoraan tirada midhaha bunka ee saxanka ku hadhay kadib marka tirada midhaha ee saxanka ku jirtay laga qaado dhawr midho Xisaabinta tirada tamaandhada ee dhariga ku jirtay

0

1

2

3

4

5

6

7

8

9

+

-

=

2.3 Isugeynta saddex tirooyin oo wadartoodu aanay ka badnayn 9

Hawlgalka-13



3

+



1

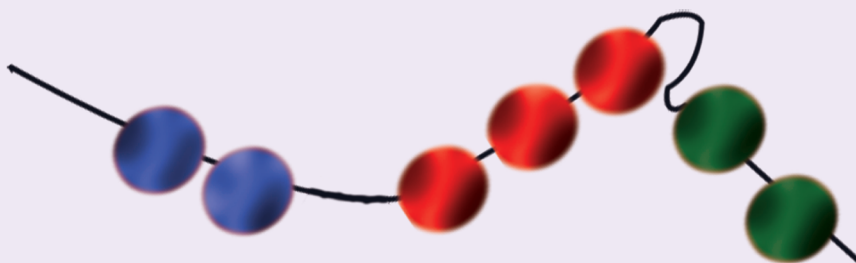
+



2

=

?



2

+

3

+

2

=

?

Laylis-17

$1+2+3= \boxed{?}$

$2+3+4= \boxed{?}$

$1+3+5= \boxed{?}$

$1+1+1= \boxed{?}$

$3+3+3= \boxed{?}$

$2+4+1= \boxed{?}$

$1+1+7= \boxed{?}$

$2+3+1= \boxed{?}$

$1+2+6= \boxed{?}$

$5+1+1= \boxed{?}$

Hawlgalka-13 Inta ay isugeeyaan sawirada midabadda kala gadisan leh ayay helayaan natiijada.

Laylis-17 Isugenta saddex tiro.

0

1

2

3

4

5

6

7

8

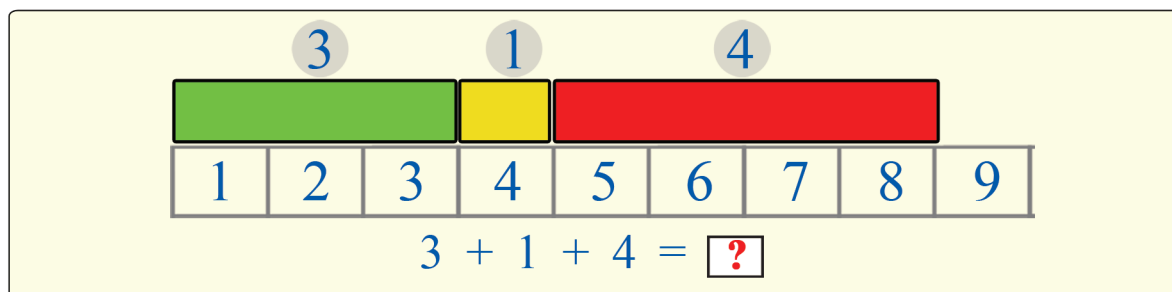
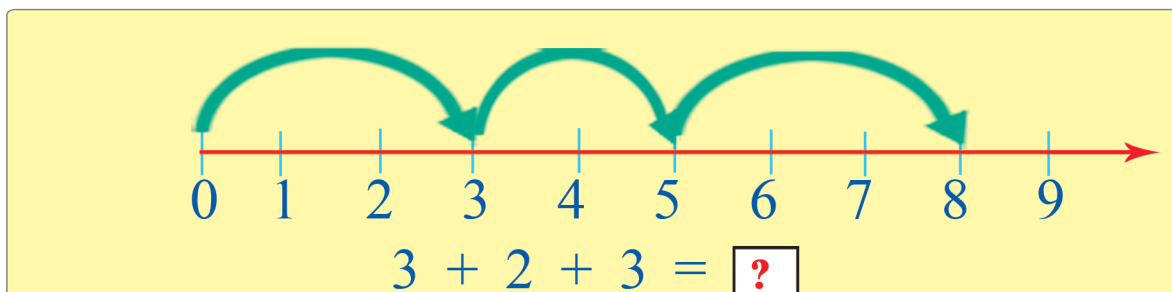
9

+

-

=

Hawlgalka-14



Hawlgalka-15



$$9 = 1 + 3 + 5$$



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

$$\boxed{?} + \boxed{?} + \boxed{?} = 9$$

$$\boxed{?} + \boxed{?} + \boxed{?} = 9$$

$$\boxed{?} + \boxed{?} + \boxed{?} = 9$$

Hawlgalka-14 Inta ay sawirka fahmaan ayay 3 tirooyin isugeynayaan iyaga oo adeegsanaya falaadha tirada iyo sanduuqa tirooyinka.

Hawlgalka-15 9ka kubadood ee kolayga ku dhexjirta sida tusaalaha lagu muujiyay sanduuqyada 3tirooyin kala gaddison oo wadartoodu 9 tahay ku qor

0

1

2

3

4

5

6

7

8

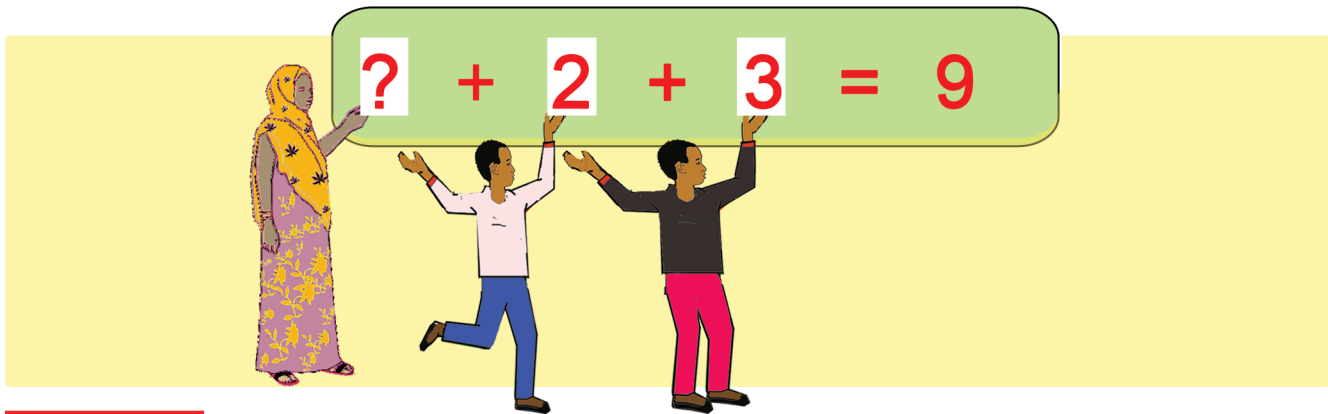
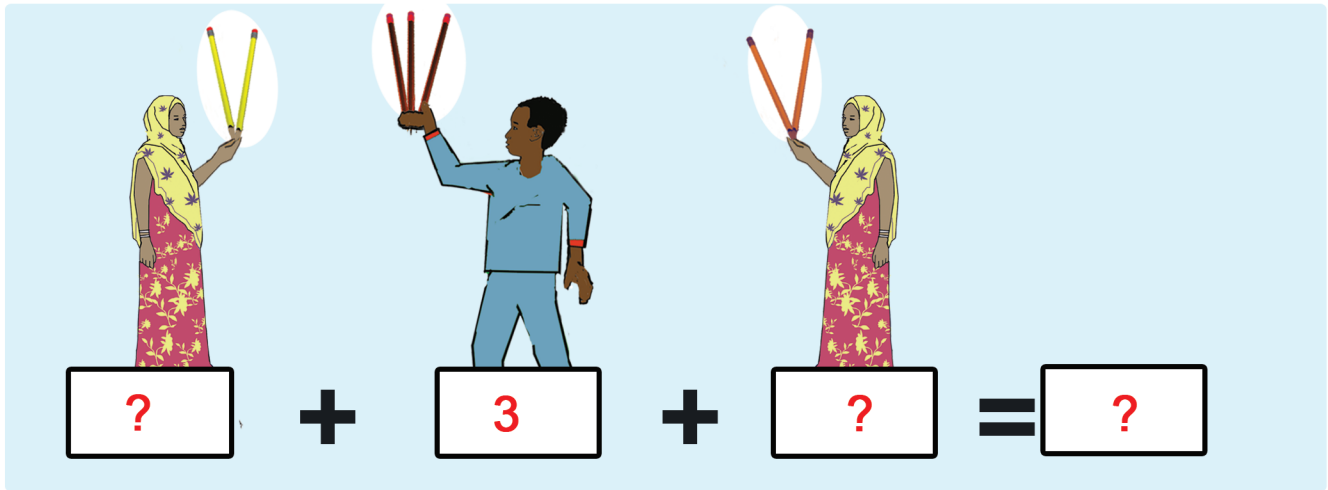
9

+

-

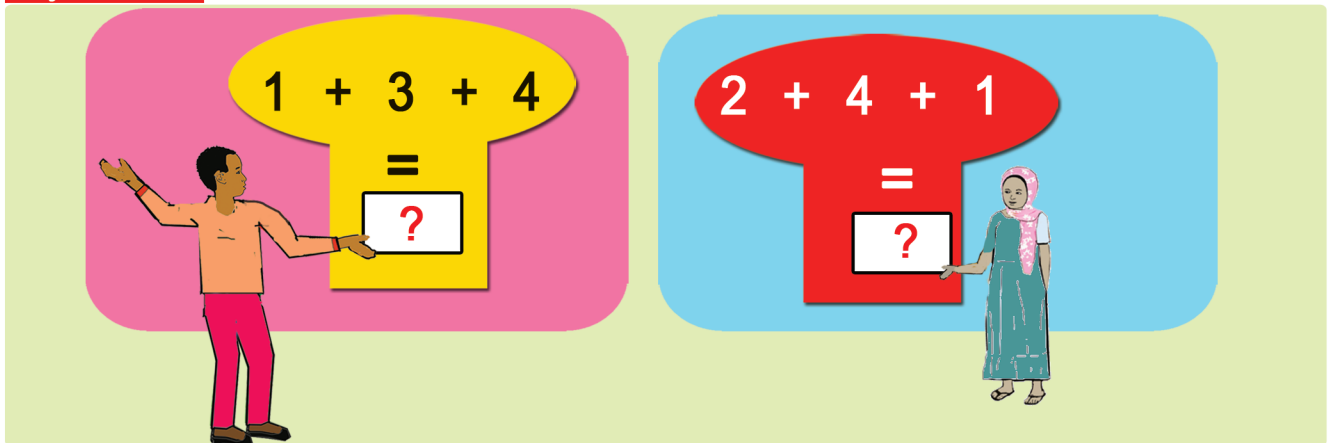
=

Laylis-18



Laylis-19

weedh xisaabeed



Laylis-18

. Sawirka intay u fiir sadaan sanduuqa tirooyinka ku haboon ha ku buu xi yaan.

. Tirooyinka intay u fiirsadaan calaamada (?) tirada ku haboon ha ku badalaan.

Laylis-19

Weedh xisaabeed isugeyn ah inta ay sameeyaan ayay natijada raadinayaan.

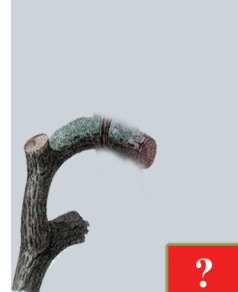
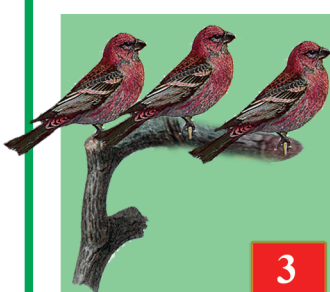
CUTUBKA 3aad

TIROOYINKA IDIL 'O'ILAA 20

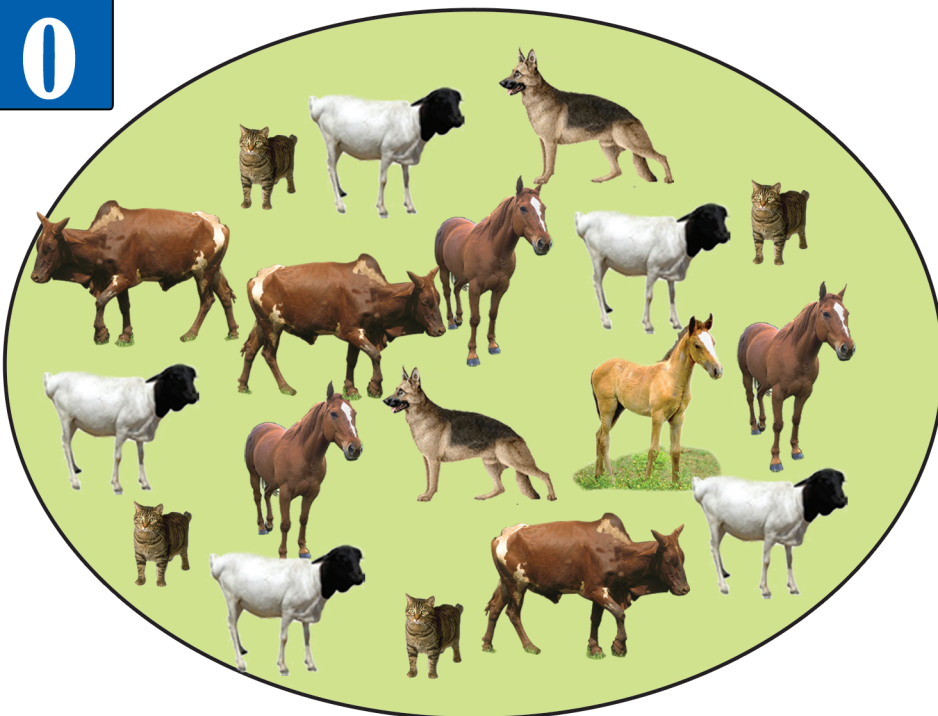
0 1 2 3 4 5
6 7 8 9 10
11 12 13 14 15
16 17 18 19 20

3.1 TIRADA EBER "0"

Hawlgalka-1



0



2



4



?



?



?



?



?

Hawlgalka-1

Geed kasta imisa shinbirood ayaa dul fadhiya ?

Ururka inta ay eegaan oo ay tiriyaan tirada kutirsaneyaasha ururka ayey natiijada qorayaan.

0

1

2

3

4

5

6

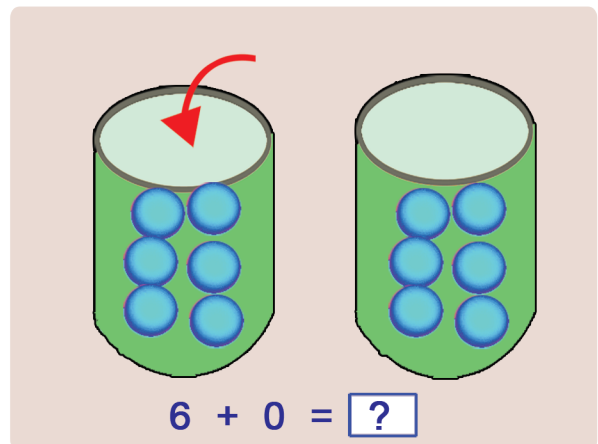
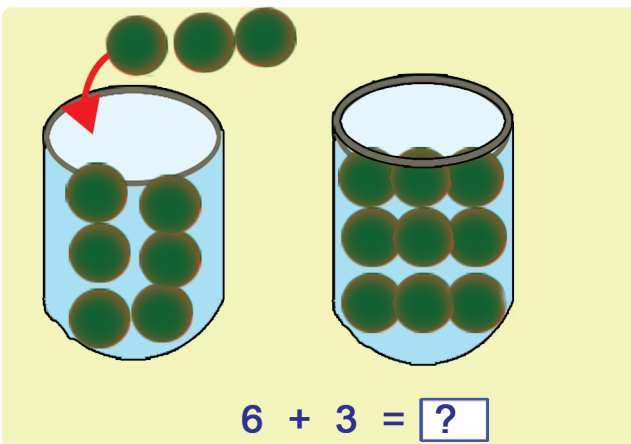
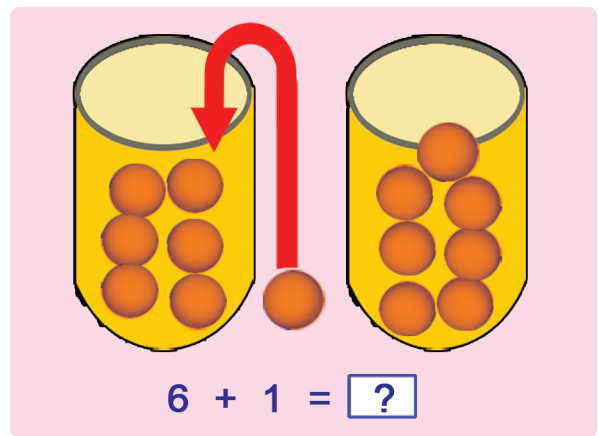
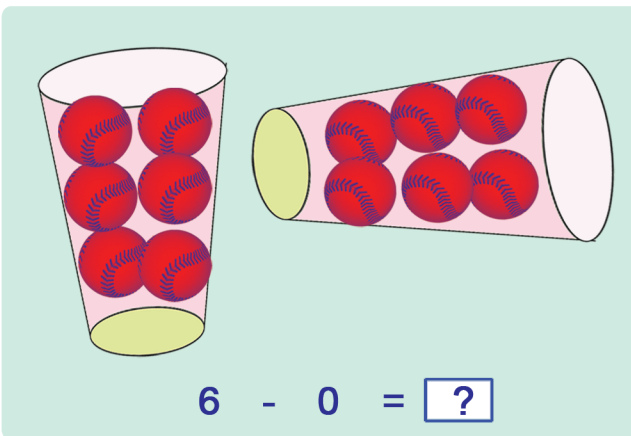
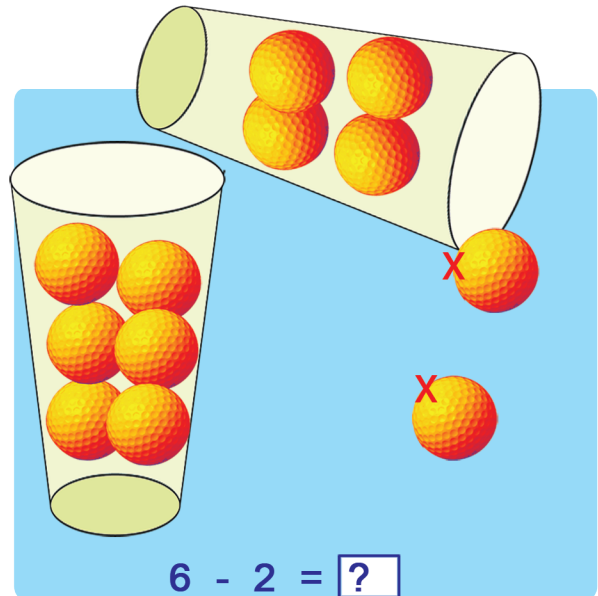
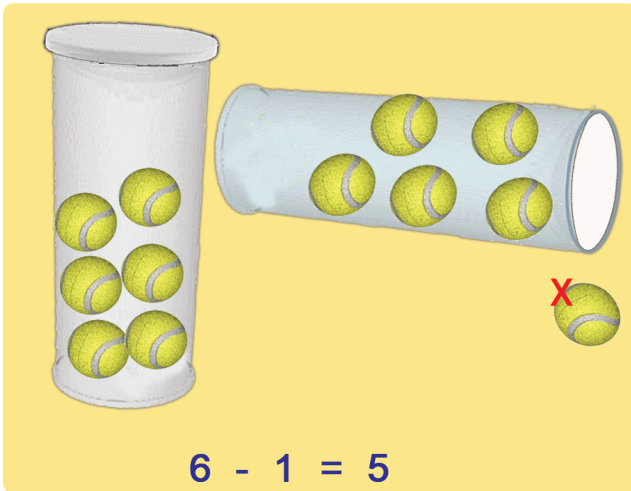
7

8

9

10

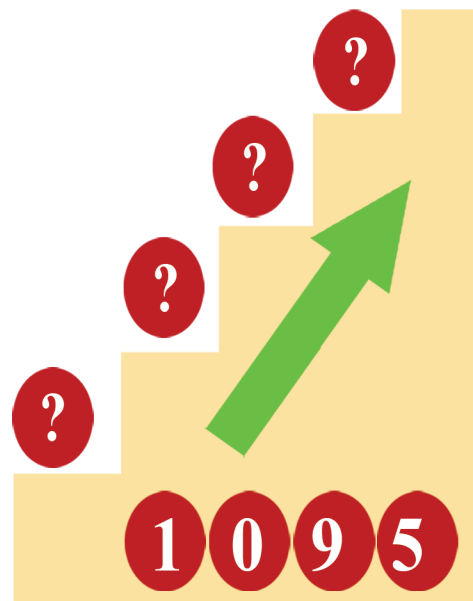
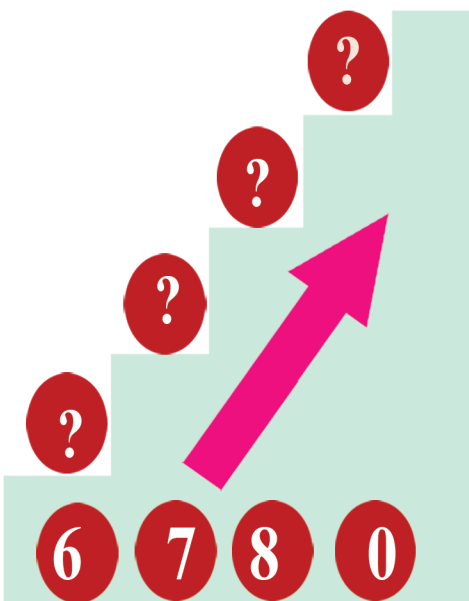
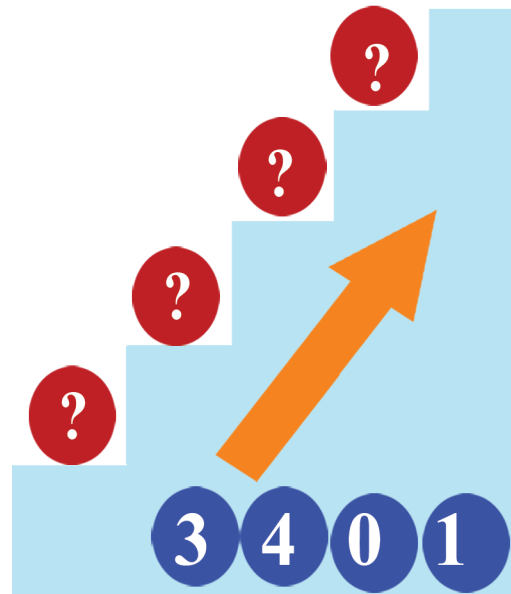
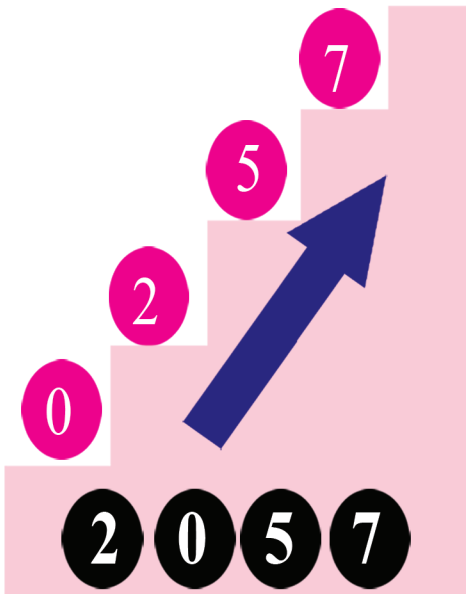
Hawlgalka- 2



Hawlgalka- 2

Iyaga oo sawirka ka fahmaya waxay ka shaqaynayaan xisaabfalada isugeynta iyo kalagoynta. Sido kale tiro u geynta iyo ka goynta tirada eber ayay fahma yaan.

Laylis - 1



Laylis 1

Tirooyinka korka ku xusan sida ay ukala horeeyaan ta yar ilaa ta weyn jaranjarada dusheeda hoos ilaa kor ha u dul dhigaan.

0

1

2

3

4

5

6

7

8

9

10

3.2 Tirooyinka Idil ilaa 20 iyo Horsanaantooda

Hawlgalka-3

$1 + 1 = \boxed{?}$

$2 + 1 = \boxed{?}$

$3 + 1 = \boxed{?}$

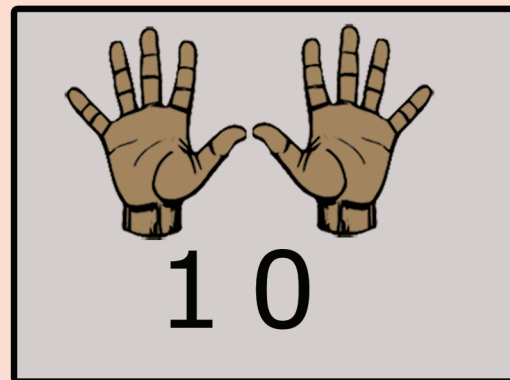
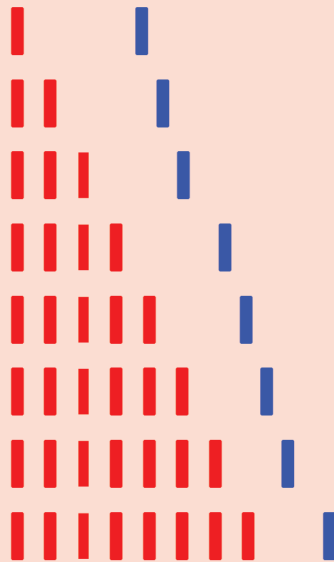
$4 + 1 = \boxed{?}$

$5 + 1 = \boxed{?}$

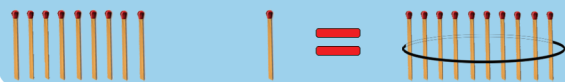
$6 + 1 = \boxed{?}$

$7 + 1 = \boxed{?}$

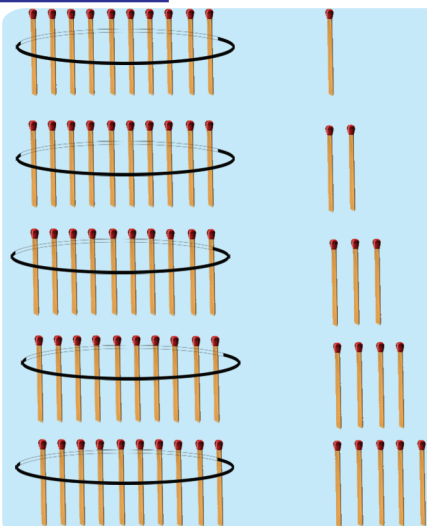
$8 + 1 = \boxed{?}$



$9 + 1 = 10$



Hawlgalka-4



$10 + 1 = \boxed{11}$

$10 + \boxed{?} = \boxed{12}$

$10 + \boxed{?} = \boxed{13}$

$10 + \boxed{?} = \boxed{14}$

$10 + \boxed{?} = \boxed{15}$

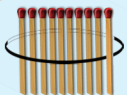

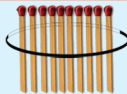

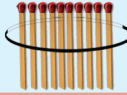

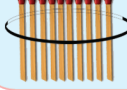

Hawlgalka-3 hal hal iyaga oo ku daraya ayay natiijada sanduuqa ku dhex qorayaan. Ha ufiirsadaan tirada 10.

Hawlgalka-4 Inta ay tiriyaan ha dhamaystiraan weedha isugegnta.

Laylis- 2

1	2	?	4	5
6	7	?	9	?
11	12	?	14	?

Hawlgalka- 5

		$10 + \boxed{?} = \boxed{16}$
		$10 + \boxed{?} = \boxed{17}$
		$10 + \boxed{?} = \boxed{18}$
		$10 + \boxed{?} = \boxed{19}$

  $10 + 10 = \boxed{20}$

Laylis-3

1	2	3	?	?	?	7	?	9	?
11	?	?	14	15	?	?	?	19	?

Laylis -2 Horsanaanta tirooyinka iyaga oo raacaya meelaha bannaan ha buuxiyaan.

Hawlgalka-5 Inta ay tiriyaan ha heelaan natiijada isugeynta. Weedha isugeynt na tirada ka maqan ha u dhamaystiraan.

Laylis -3 Meelaha bannaan ha buuxiyaan iyaga oo ku salaynaya horsanaanta tirooyinka.

0

1

2

3

4

5

6

7

8

9

10

Laylis – 4

?	6
?	12
?	11
?	20
?	18

Laylis – 5

7	?
9	?
15	?
11	?
19	?

Laylis – 6

7	?	9
11	?	13
14	?	16
18	?	20
10	?	12

Laylis – 7

	7	
	15	
	19	
	12	
	9	

Hawlgalka- 6

< = >

13	?	13
12	?	18
11	?	11

14	?	16
18	?	14
19	?	12

19	?	11
12	?	8
9	?	12

Laylis- 4

Tirada la siiyay ka horeeyaheeda sanduuqa ha ku dhex qoraan.

Laylis-5

Tirada la siiyay kadambeeyaheeda sanduuqa ha ku dhax qoraan.

Laylis-6

Labada tiro tirada u dhexaysa sanduuqa ha ku dhax qoraan.

Laylis-7

Tirada la siiyay iyaga oo ku salaynaya sanduuqyada ha ku dhax qoraan kahoreeyaheeda iyo kadambeeyaheeda.

Hawlgalka-6

Tirooyinka laba labada (qindiyada) ah ee la siiyay ha isbarbardhigaan iyaga oo isticmaalaya calaamadaha (>, <, =).

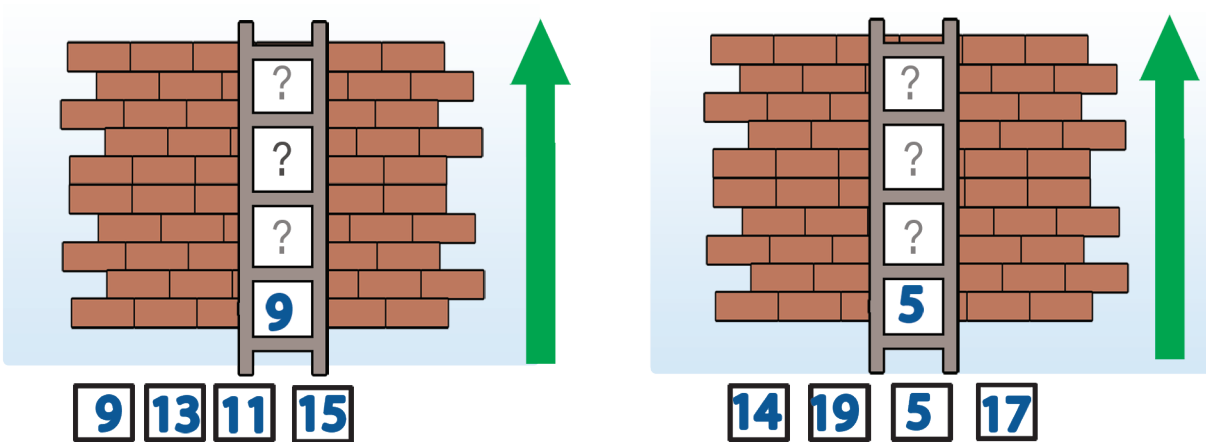
Laylis- 8

6	7			10	
13	14				
15					
11					

Laylis- 9

1		3		5	
11	12			15	
					17
					20
					13

Laylis- 10



Laylis -8

Horsanaanta tirooyinka iyaga oo ku salaynaya meelaha bannaan ha buuxiyaan.

Laylis -9

Dib iyo hore iyaga oo u tirinaya meelaha bannaan ha buuxiyaan.

Laylis -10

Horsanaanta tirooyinka iyaga oo ku salaynaya tirooyinka la siiyay salaanka ha ku dul qoraan iyaga oo tirada yar hoos kaga bilaabaya.

0

1

2

3

4

5

6

7

8

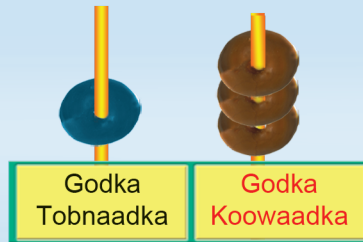
9

10

3.3 HAB-DHISKA QIIMA-RUGEEDKA

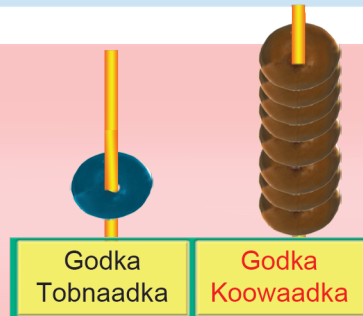
Hawlgalka-7

$$13 = 10 + 3$$



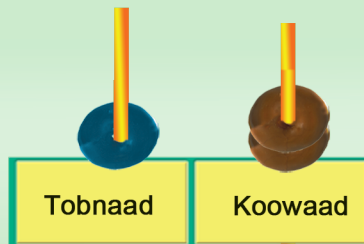
Godka Tobnaadka	Godka Koowaadka
1	3

$$18 = 10 + \square$$



Godka Tobnaadka	Godka Koowaadka
?	?

$$12 = 10 + \square$$



Tobnaad	Koowaad
?	?

Laylis- II

	Tobnaad	Koowaad
16	1	6
11		
17		
19		
20		

Hawlgalka-7 Kala soocidda qiima-rugeedka ka tobnaadka iyo koowaadka.

Laylis -II Tirooyinka la siiyay astirooyinkooda ha u kala meeleeaayan oo ha ku kalu qoraan godka tobnaadka iyo godka koowoodka.

Hawlgalka- 8

	Tobnaad	Koowaad
14	?	?

$14 = 10 + \boxed{?}$

	Tobnaad	Koowaad
15	?	?

$10 + \boxed{?} = 15$

	Tobnaad	Koowaad
17	?	?

$17 = 10 + \boxed{?}$

Laylis - 12

$11 = 10 + \boxed{1}$	$19 = 10 + \boxed{?}$
$12 = 10 + \boxed{?}$	$15 = 10 + \boxed{?}$
$17 = 10 + \boxed{?}$	$13 = 10 + \boxed{?}$
$16 = 10 + \boxed{?}$	$14 = 10 + \boxed{?}$
$10 = 10 + \boxed{?}$	$20 = 10 + \boxed{?}$

Hawlgalka-8 astirooyinka ay tiradu ka kooban tahay ku kala qora godka tobnaadka tyo godka koowoodka.

Laylis -12 Tirada la siiyay ha u qoraan wadarta 10 iyo tiro kale.

CUTUBKA 4aad






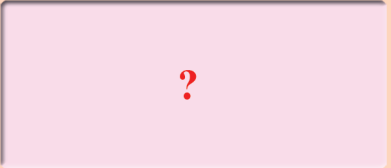
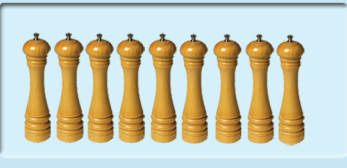
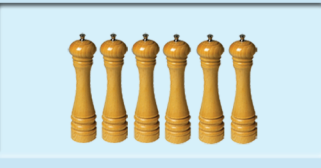
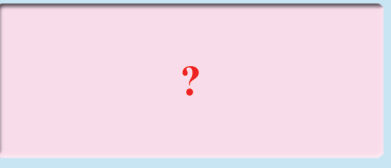



ISUGEYNTA IYO KALAGOYNTA
TIROOYINKA IDIL ILAA 20

$$\begin{array}{r} 12 \\ + 5 \\ \hline 17 \end{array}$$

$$\begin{array}{r} 17 \\ - 5 \\ \hline 12 \end{array}$$

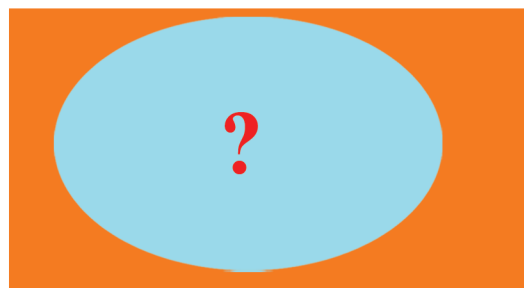
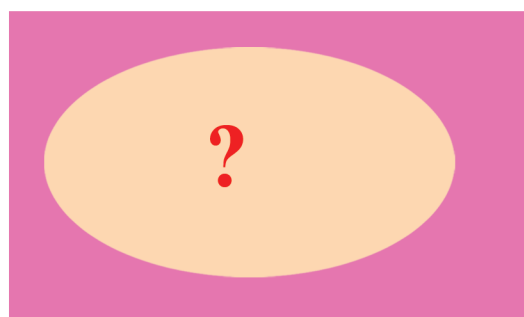
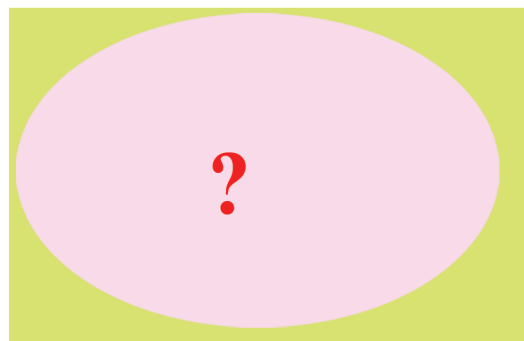
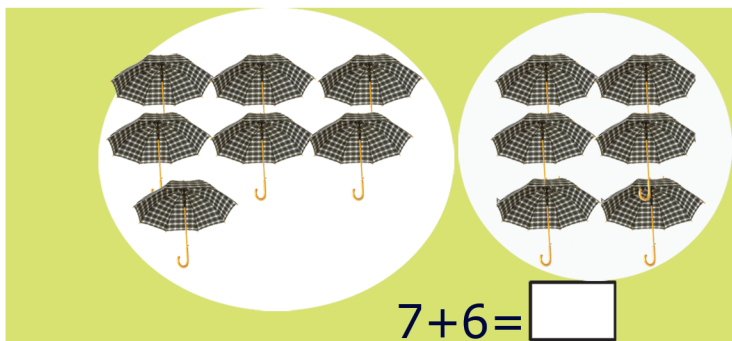
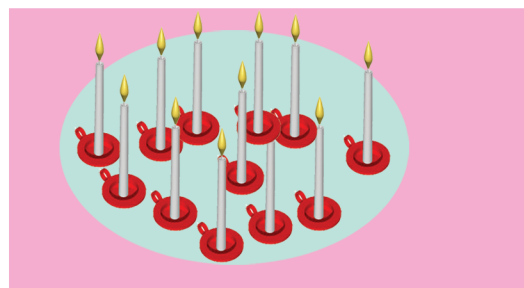
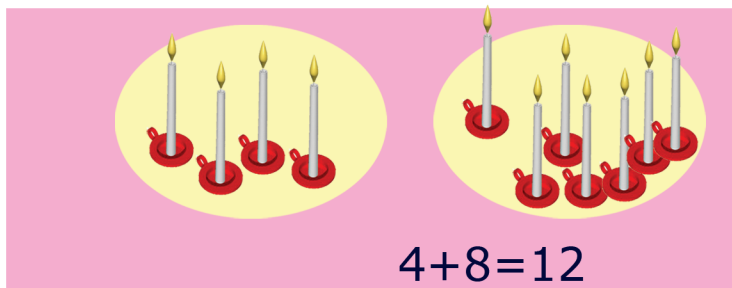
4.1 Isugeynta tirooyinka idil ilaa 20

Hawlgalka-1

		
$8 + 5 = 13$		
		
$12 + 5 = \boxed{?}$		
		
$9 + 6 = \boxed{?}$		
		
$7 + 3 = \boxed{?}$		

Hawlgalka-1 Sida tusaalaha lagu tusay meesha calaamada su'aasha sawirada. isugu wadageeya oo tiriya. Kadibna wadarta sunduuqa ku dhax qora.

Hawlgalka- 2



Laylis -1

$3 + 7 = \square$

$4 + 8 = \square$

$14 + 2 = \square$

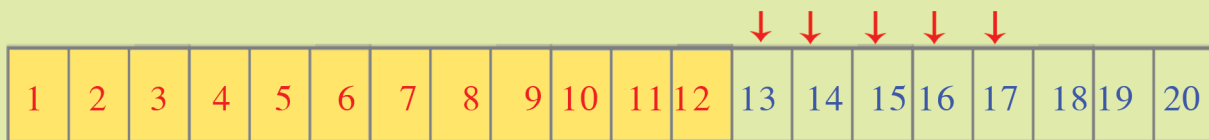
$8 + 3 = \square$

Hawlgalka-2 Iyaga oo sida tusaalaha lagu tusay raacaya inta ay sawirada tiriyaan wadarta ha heelaan.

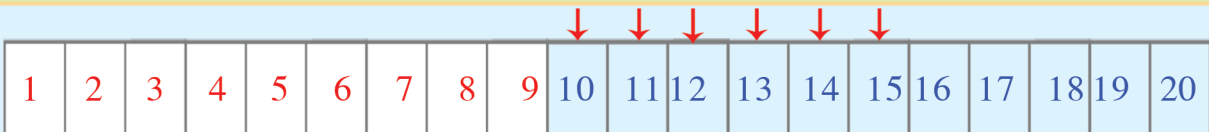
Laylis- 1 Wadarta sanduuqa ha ku dhax qoraan.



Laylis - 2



$$12 + 5 = 17$$



$$9 + 6 = \square$$



$$12 + 8 = \square$$



$$8 + 8 = \square$$

Laylis-3

$$\begin{array}{r} 7 \\ + 3 \\ \hline 10 \end{array}$$

$$\begin{array}{r} 5 \\ + 5 \\ \hline \end{array}$$

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

$$\begin{array}{r} 9 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ + 5 \\ \hline \end{array}$$

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

$$\begin{array}{r} 9 \\ + 8 \\ \hline \end{array}$$

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

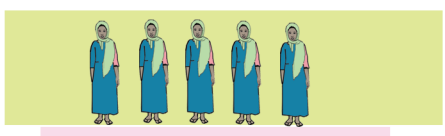
Laylis -2

Sida tusaalaha lagu tusay tirada weyn inta ay ka bilaabaan oo ay tiriyaan shan tiro oo isku xigta ayey wadarta helayaan.

Laylis -3

Sida tusaalaha lagu muujiyey xariiqyo inta ay adeegsadaan ayay wadarta helayaan .

Laylis - 4



$$5 = 2 + 3$$

$$5 = 1 + 4$$

$$5 = 3 + \boxed{?}$$

$$5 = 0 + \boxed{?}$$



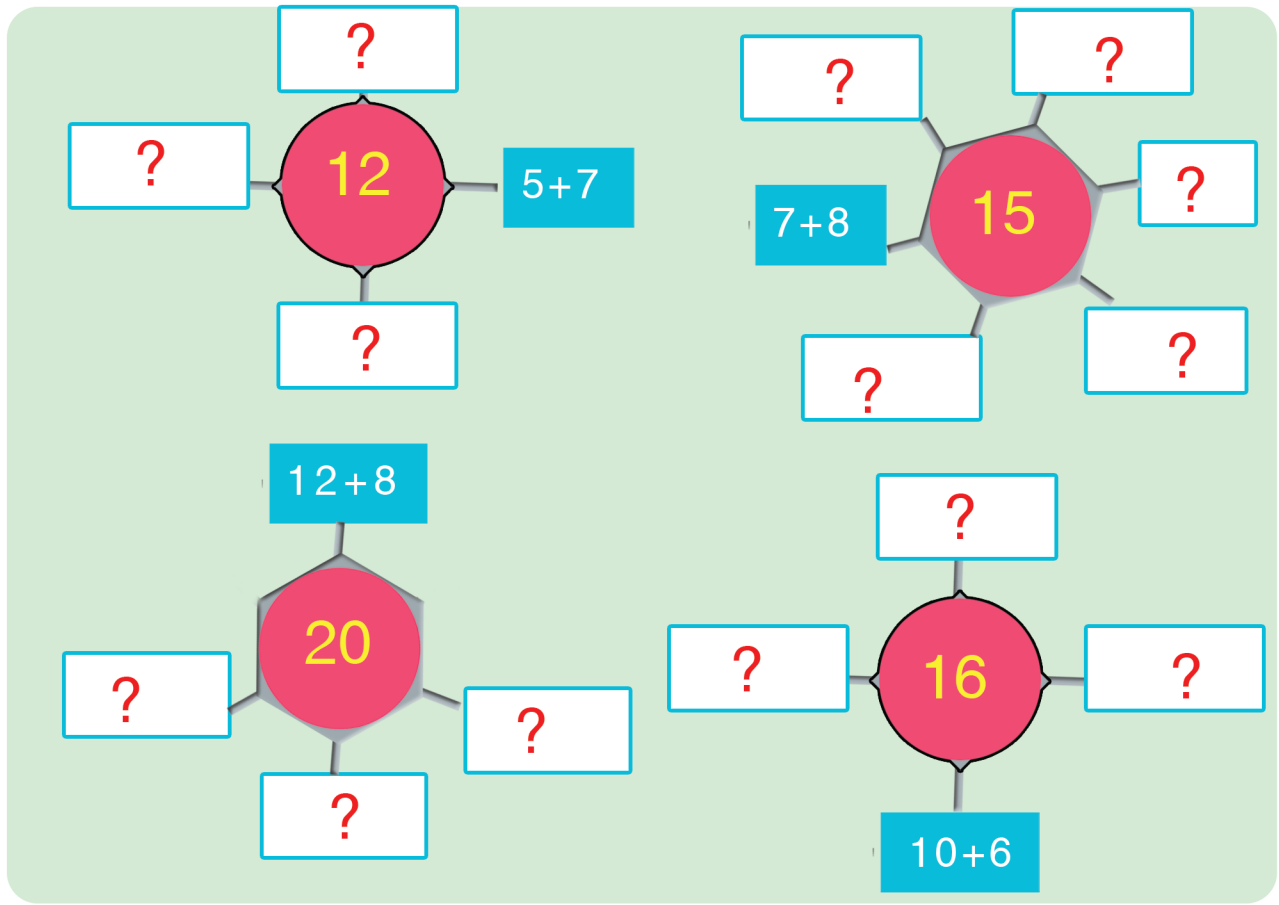
$$9 = 3 + 6$$

$$9 = \boxed{?} + \boxed{?}$$

$$9 = \boxed{?} + \boxed{?}$$

$$9 = \boxed{?} + \boxed{}$$

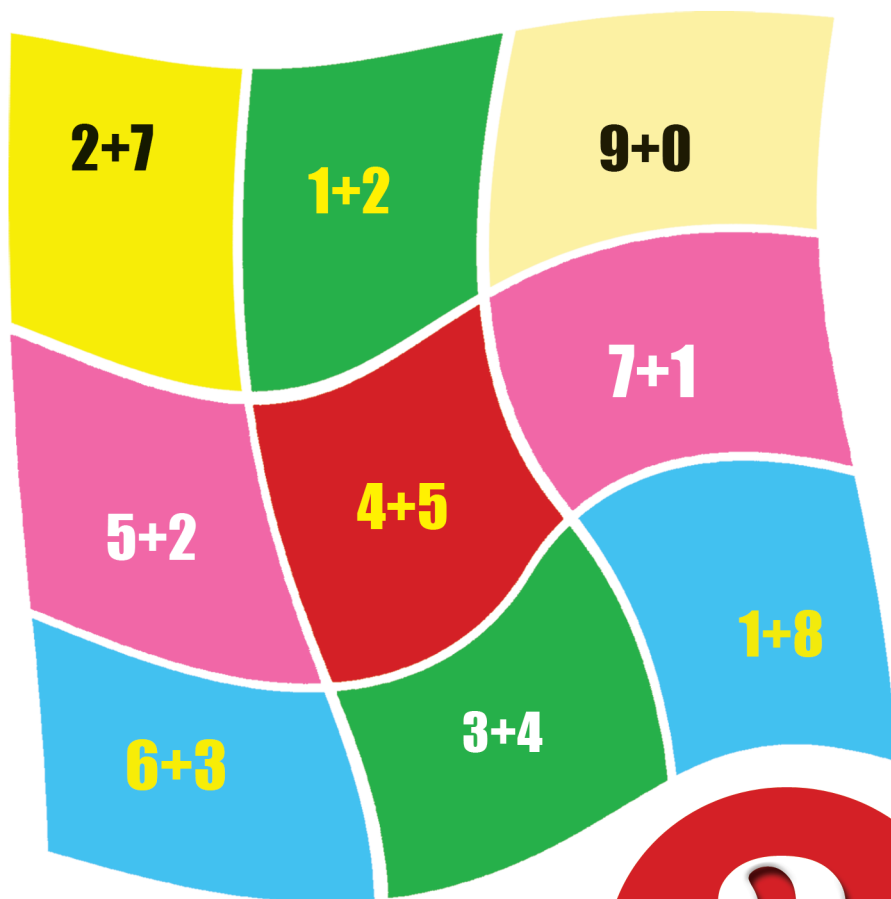
Laylis - 5



Laylis -4 Tirada ha u qoraan kala bixin ka kooban biirooyin isugeyntooda.
Laylis -5 Sida tusaalaha lagu tusay ha buuxiyaan gacmaha dabaraada.
 Tirada ha qoraan dabarada tiro ee la sliiyay sida $5=3+2$



Hawlgalka -5



Laylsi – 6

15

+ 3

—

12

+ 4

—

10

+ 1

—

13

+ 1

—

Hawlgalka-5

Waa kuwee biirooyinka ay wadartoodu tahay 9, Sheega kuwa aad hesheen Natiijada ad hesheen saaxibadiina fasalka u cadeeya. (sharraxa)

Laylsi – 6

Natiijada isugeynta biirooyinka ku hoos qora

11

12

13

14

15

16

17

18

19

20

+

-

=

Laylis - 7

13

+ 4

—

Godka Koowaadka
3
4
7

Godka Tobnaadka	Godka Koowaadka
1	3
	4
1	7

Godka Tobnaadka	Godka Koowaadka	Godka Tobnaadka	Godka Koowaadka	Godka Tobnaadka	Godka Koowaadka
1	5	1	2	1	5
	3		7		3

Laylis - 8

12

+ 7

13

+ 6

11

+ 8

10

+ 10

Laylis - 7

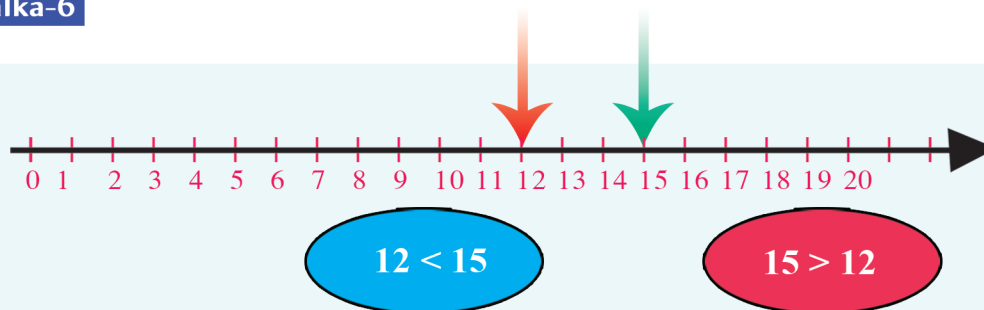
Sida tusaalaha lagu tusay astirooyinka inta aad tobnaad iyo koowaad ukala soocdid joog isugu gee.

Laylis - 8

Natiijada joog isugugeynta sanduuqa ha ku buuxiyaan.



Hawlgalka-6



$$15 > 12$$

$$10+5 > 10+2$$

$$5 > 2$$

$$13 < 15$$

$$10+3 < 10+5$$

$$3 < 5$$



Laylis – 9

$15 \boxed{?} 12$

$16 \boxed{?} 11$

$9 \boxed{?} 11$

$12 \boxed{?} 8$

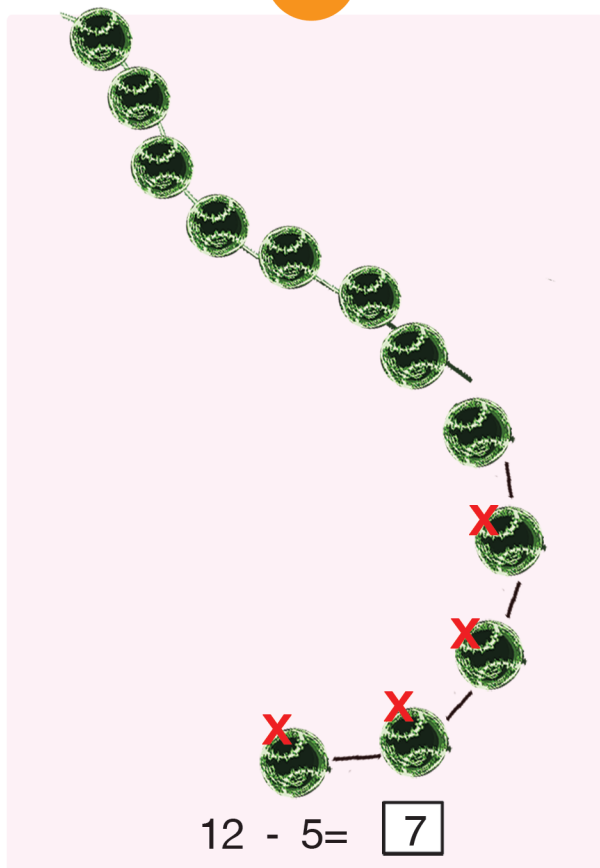
Hawlgalka-6 Laba tiro marka aan isbarbardhigayno sheeg xarriqa tirada dushiisa tirada weyni dhinaca ay ka xigto tirada yar.

Laylis-9 Adiga oo adeegsanaya xarriqa tirada sanduuqa dhex dhig calaamada $>$, $<$ ama $=$ midda ku habbon.

4.2 KALAGOYNTA TIROOYINKA ILAA 20

Hawlgalka-7

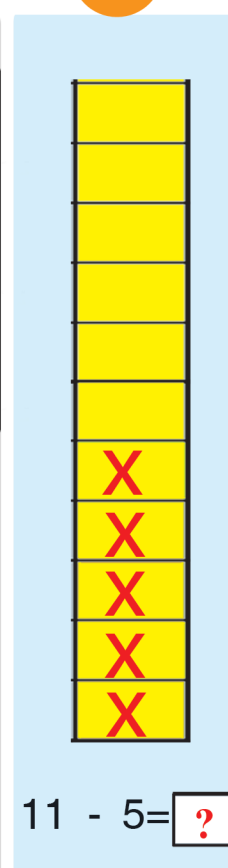
1



2



3



Laylis - 10

Tusaale $18 - 5 = 13$



$12 - 3 = \boxed{?}$

$18 - 11 = \boxed{?}$

$19 - 5 = \boxed{?}$

$17 - 5 = \boxed{?}$

$20 - 10 = \boxed{?}$

$17 - 8 = \boxed{?}$

Hawlgalka-7 Xisaabinta kala goynta sawir lagu muujiyay.

Laylis-10 Waxyaalo kala geddisan iyaga oo adeegsanaya ha kashaqeyaan xisaabfalka kalagoynta.

**Laylis – 11**

1 4

- 2

1 6

- 4

1 8

- 7

1 8

- 5

1 8

- 1 2

1 7

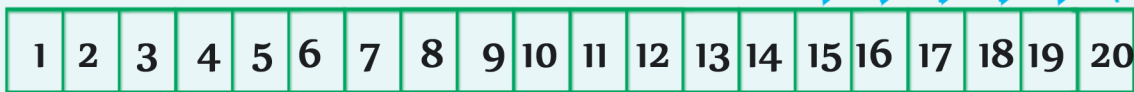
- 1 3

1 8

- 1 7

2 0

- 1 0

Laylis – 12

$$20 - 5 = 15$$

$19 - 6 = \boxed{?}$

$17 - 9 = \boxed{?}$

$15 - 12 = \boxed{?}$

$18 - 7 = \boxed{?}$

$17 - 8 = \boxed{?}$

$15 - 10 = \boxed{?}$

$18 - 14 = \boxed{?}$

$17 - 7 = \boxed{?}$

$15 - 8 = \boxed{?}$

$18 - 12 = \boxed{?}$

$17 - 6 = \boxed{?}$

$15 - 6 = \boxed{?}$

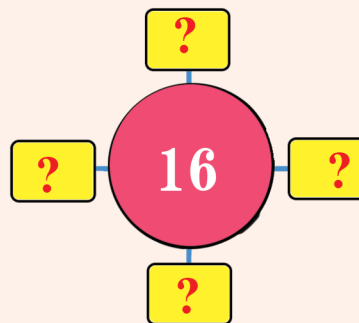
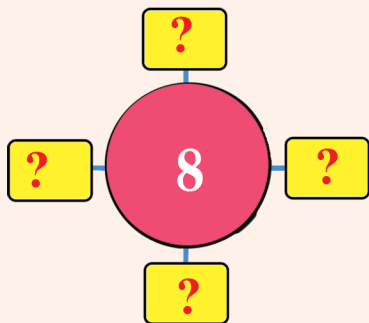
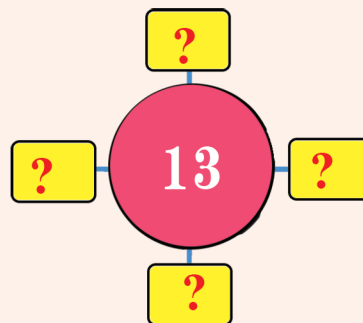
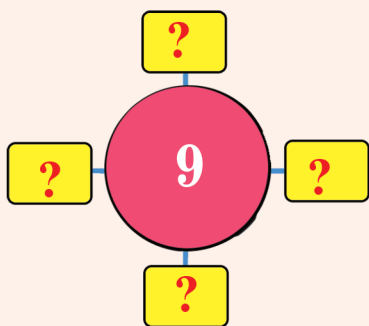
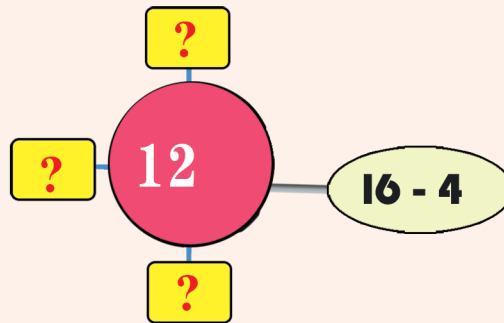
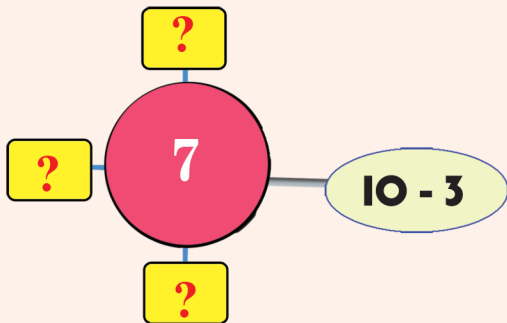
$18 - 11 = \boxed{?}$

$17 - 5 = \boxed{?}$

$15 - 4 = \boxed{?}$

Laylis – 11 kala gooya.**Laylis – 12** Sida tusaalaha lagu muujiyay meelaha bannaan tirada ku haboon ku buuxiya.

Hawlgalka-8



Hawlgalka-8 Buuxinta gacmaha dabarada tirada ee kalagoynta.



Laylis- 13

5	12 - 7	8 - 3	9 - 4
7			
13			16 - 3
8	10 - 2		
11			16 - 5

Laylis- 14

10	14
10 - 0	14 - 0
11 - <input type="text"/>	16 - <input type="text"/>
14 - <input type="text"/>	17 - <input type="text"/>
<input type="text"/> - 3	<input type="text"/> - 3
20 - <input type="text"/>	<input type="text"/> - 4

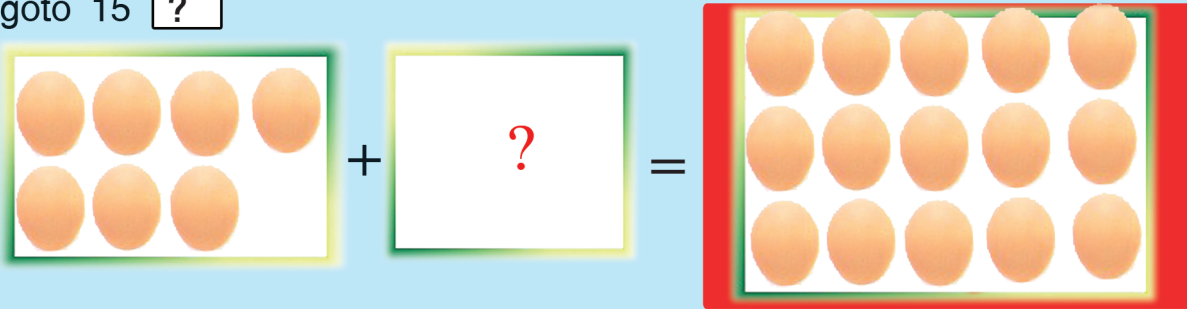
Laylis - 13 Raadsha dabarada kalagoynta ee tirada bidixda ku taala.

Laylis - 14 Dhamaystira dabarada tirada 10 iyo 14 ee kalagoynta.

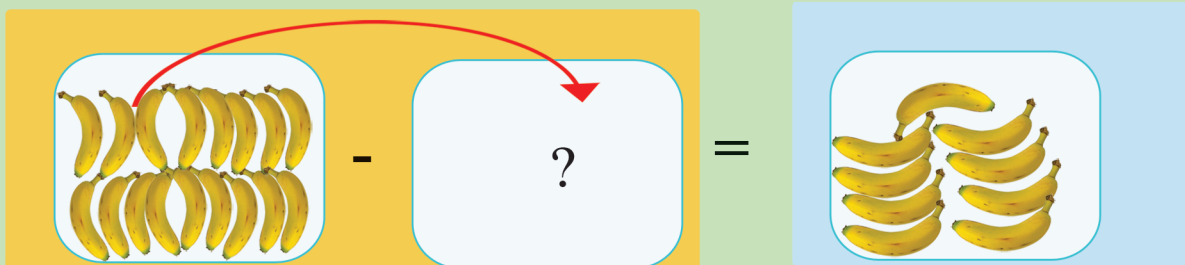
4.3 FURFURISTA MAS'A LOOYINKA ISUGEYNTA IYO KALAGOYNTA AH

Laylis-12

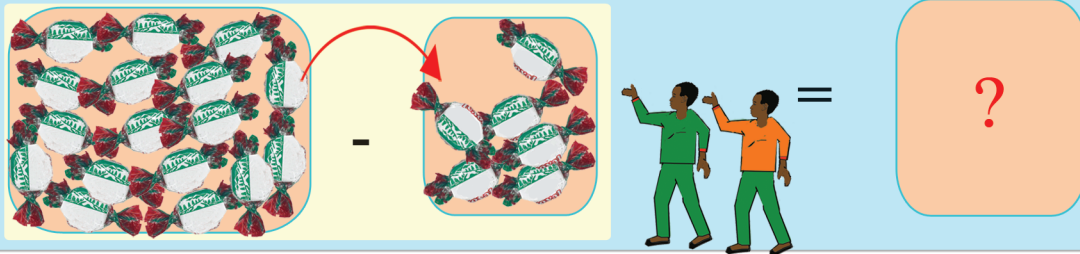
Yoonis wuxuu haystay 7 xabbo oo ugax (ukun)ah. Imisa xabbo oo ugax ah oo dheeraad ah ayaa inuu iibsado ay tahay si ay tirada ugaxdu u noqoto 15



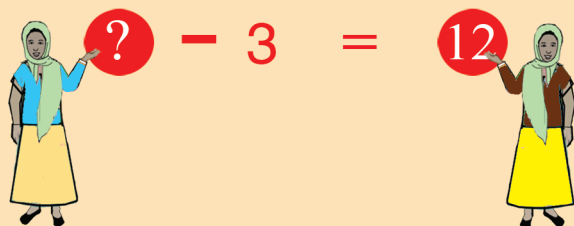
Kolayga waxa iigu jiray 17 muus. Imisa haddii laga qaado ayey inta hadhayi 9 noqon



Waxaan haystay 17 hal oo nacin ah. 6 hal haddii an saaxiibahay ka siiyo imisa ayaa iisoo hadhii



6 Tiro aan lagaranayn ayaan ka fikiray. 3 marka laga gooyo waxa soo hadhay 12 Tiradan ka fikiray waa imisa



Laylis 12 Furfurista mas'alooyinka.

Laylis - 13

Caydiid

Ubox

Laylis -13 Dhisida (samaynta) masalooyin iyo samaynta weedh isle'eg ah.

CUTUBKA 5aad

CABIRRADA IYADA OO
LA ADEEGSANAYO
HALBEEGYO AAN RASMI AHAYN
(HALBEEG-DHAQAMEED)



5.1 CABBIRAADA DHERERKA

Hawlgalka-1

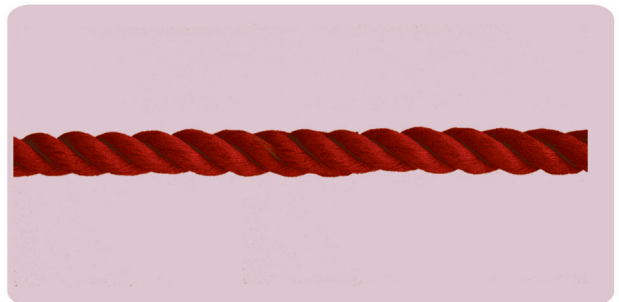
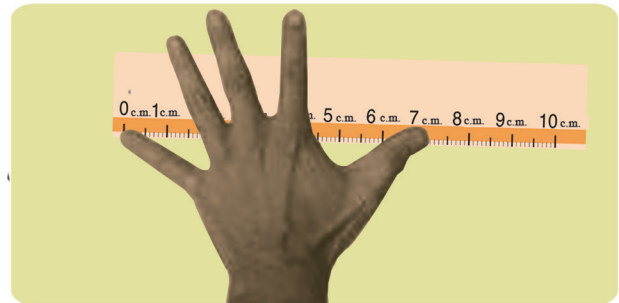
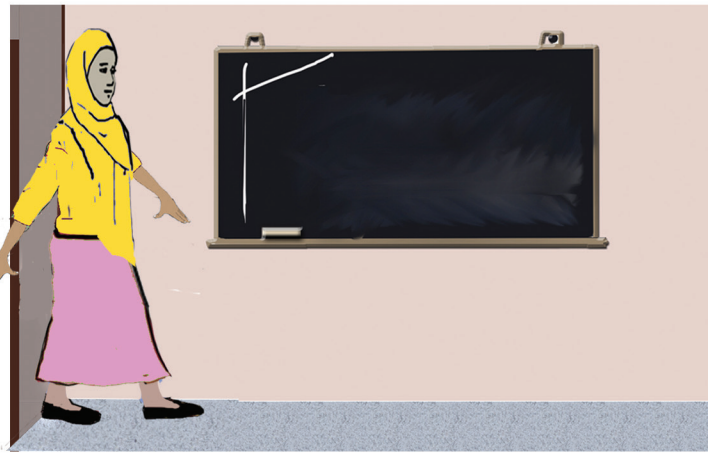


Hawlgalka-1

Sawirada inta ay eegaan ha sheegaan midka dheer, Ma ka midabka cas mise ka buluuga ah ayaa dheer ?
Sawirada inta ay eegaan ha sheegaan ka gaaban.



Hawlgalka-2



Hawlgalka- 2 Waxayaalaha agagaarka laga helo ha ku barbartaan in ay dhererkooda ku cabbiraan talaabo, xusul, taako, cag iyo xadhig.



5.2 CABBIRAADA MUGGA

Hawlgalka-3



Hawlgalka-4



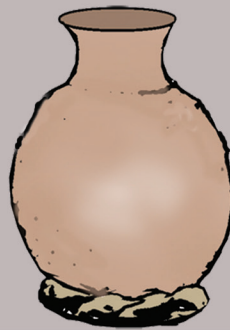
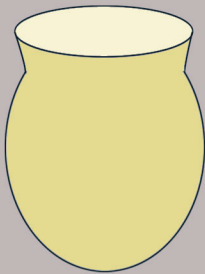
Hawlgalka-3 Ardaydu ha adeegsadaan erayada “buuxa” dhiman iyo madhan.

Hawlgalka-4 Iyaga oo adeegsanaya koob ama daasad ha cabbiraan Caagadu (jeerikaanku) iyo baaldigu inta koob ama daasadood oo biyo ah ee ay qaadi kara yaan.

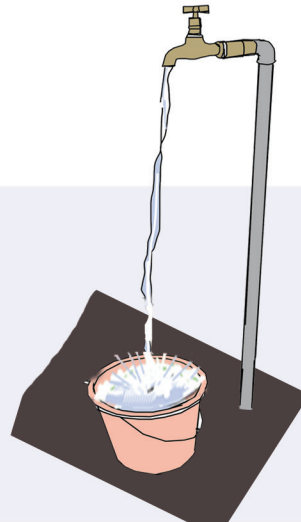
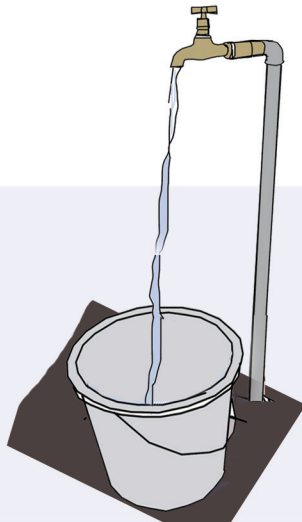
Ha isbarbar dhigaan caagada iyo baaldiga.



Hawlgalka-5



Hawlgalka- 6



Hawlgalka-5 Laba weel sida bakeeri iyo koob midka mugga weyn leh ha fiiriyaan.

Hawlgalka-6 Baanbado ama qasabado isku mid ah hadii la isticmaalo labada baaldi kee baa hore buuxsami.



5.3CABBIRAADA CULAYSKA

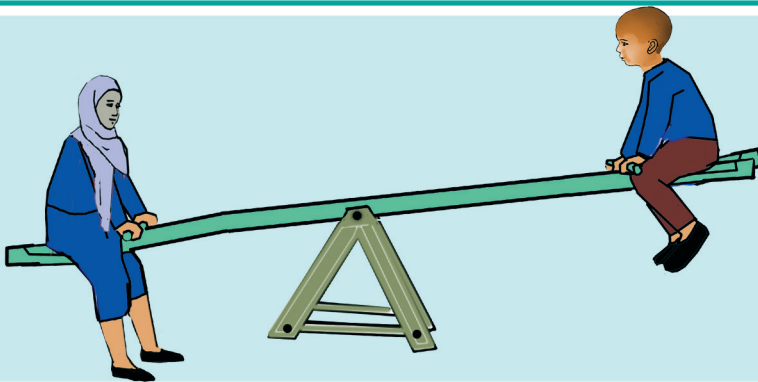
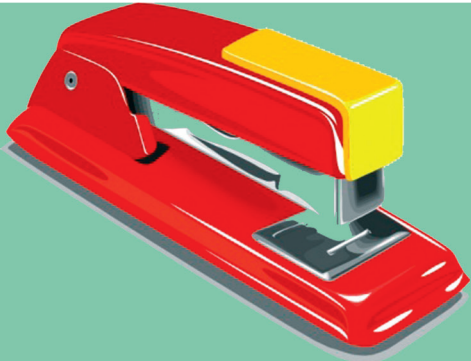
Hawlgalka-7



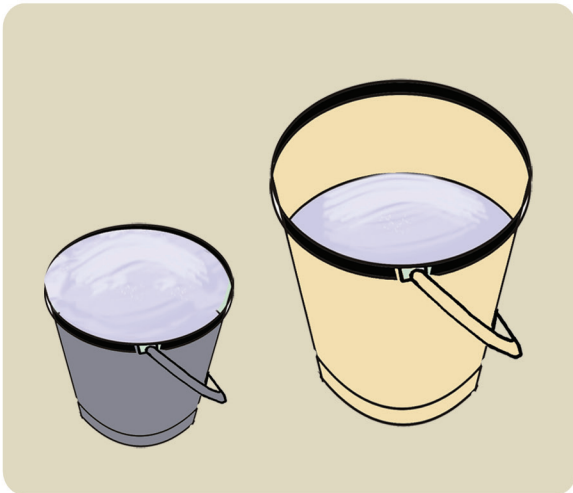
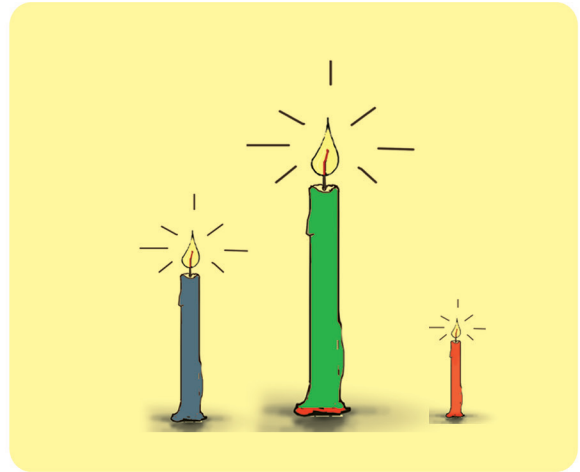
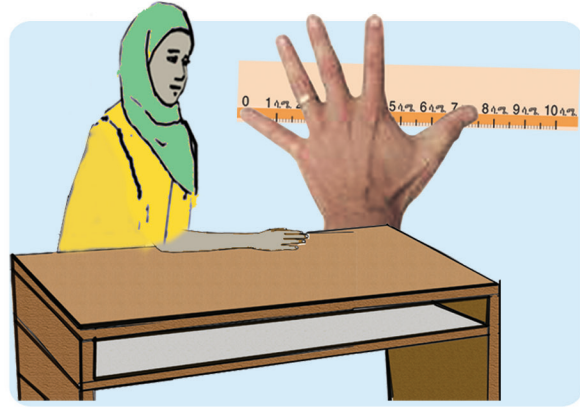
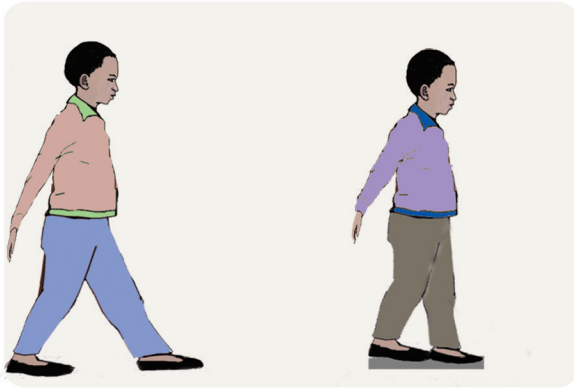
Hawlgalka -7 Ardaydu ha isbarbar dhigaan culayska walxaha is barbar yaala.



Hawlgalka- 8



Hawlgalka- 8 HA Isbarbar dhigaan Culaysyada waxyaalaha is dhinac yaala ee sare ku xusan.

**Laylis – 1**

- Laylis – 1** - Soocita nooca cabbirka dhererka, mugga iyo Culayska
- Sawirkee ayaa ugu dheer.
 - Baaldigu imisa joog ayuu qaadi?
 - Kee baa ugu culus?

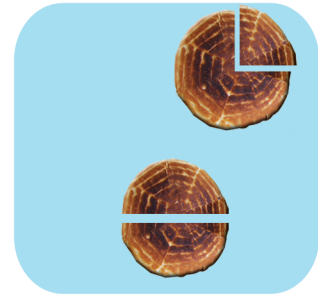
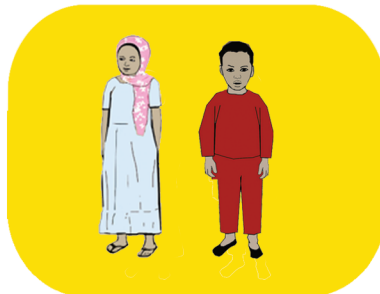
CUTUBKA 6^{aad}

BARASHADA JAJABYADA

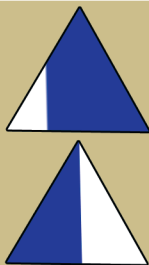
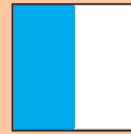
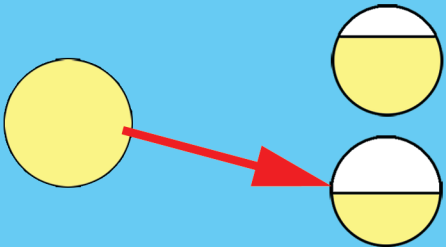


6.1 BADHKA (NUSKA) SHAYGA

Hawlgalka – 1



Hawlgalka-2

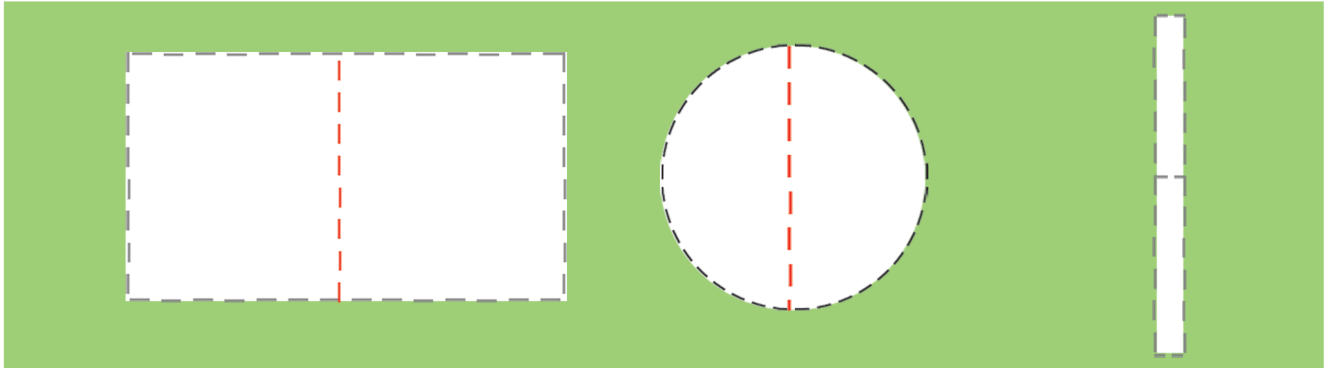


Hawlgalka- 1 Haddi Xassan iyo Haboon hooyadood ay doonto inay labadeeda curuur ah u qaybiso hal furun (roodi) ah habka quman ee hooyadu in ay u qaybiso ah tilmaan?

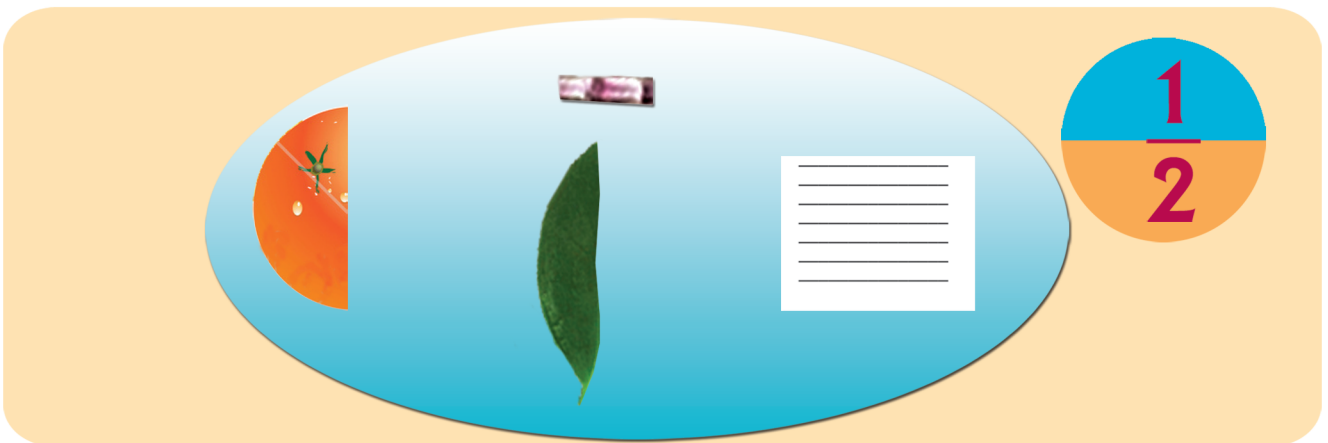
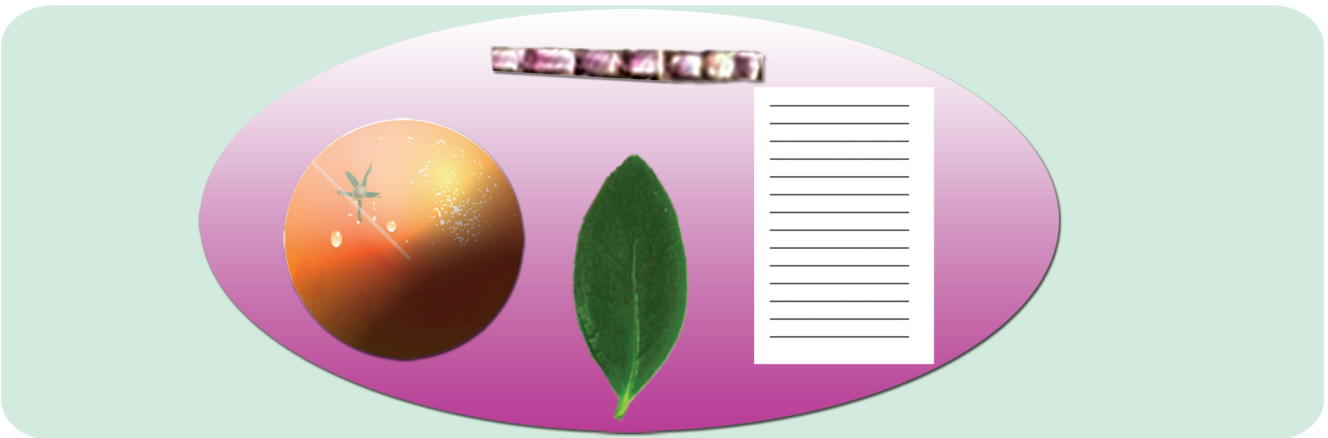
Hawlgalka- 2 Shay idil marka qumaati laba meelood looguy qaybiya sawirka muujinaya Sida, tusaalaha sare falaadh ha ku tusaan.



Layls - 1



Hawlgalka-3



Layls -1

Sawirka badhkii inta ay sawiraan ha midabeeyaan(ama ha hadheeyaan).
Badhka $\frac{1}{2}$ ha ku magcaabaan ha na qoraan.

Hawlgalka -3

Iyaga oo koox koox ah waxyaalaha ay agagaarkooda ka heelaan sida caleenta galayada liinmacaanta, xaashida cad, ee buugooda inta ay ururiyaan shay kasta badhkii ha ku muujiyaani shaykasta badhkii inta ay badhka kale agdhigaan ha xaqiijiyaan in ay isle'eg yihiin.

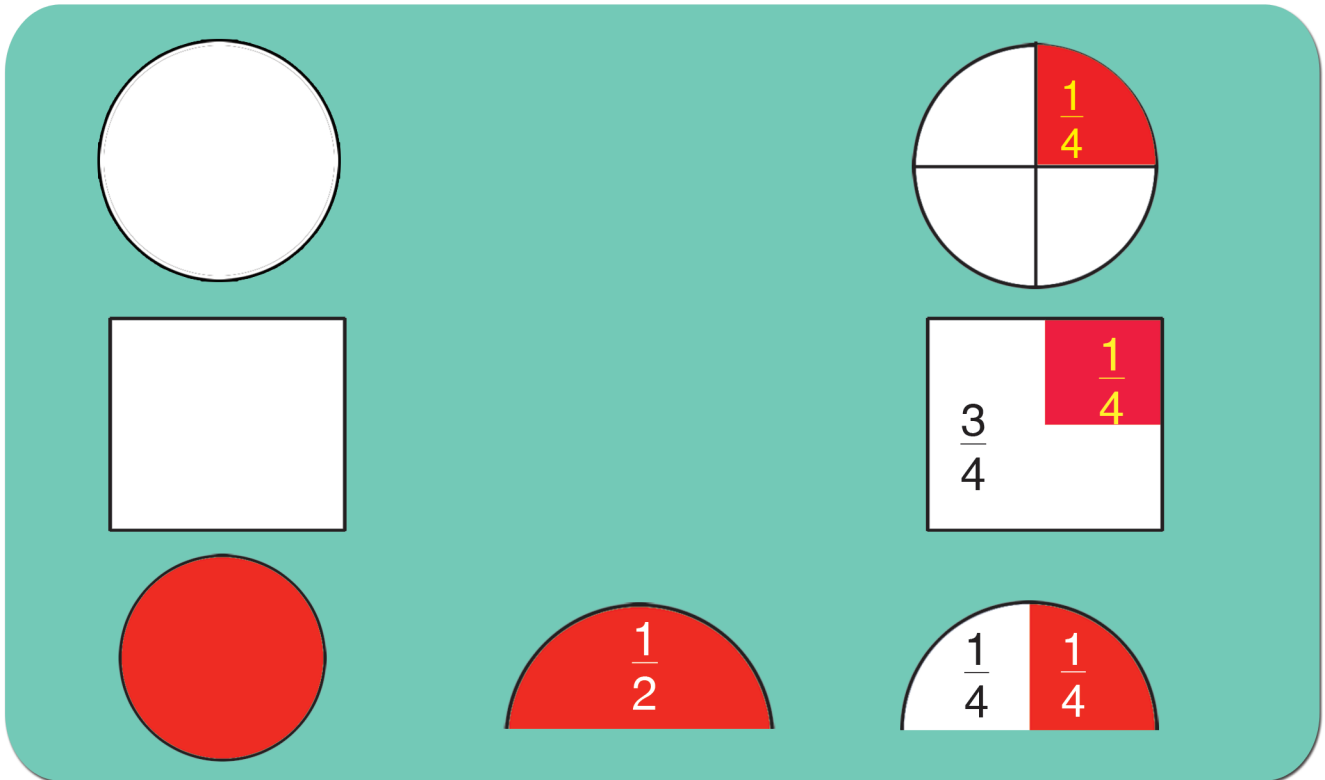


1

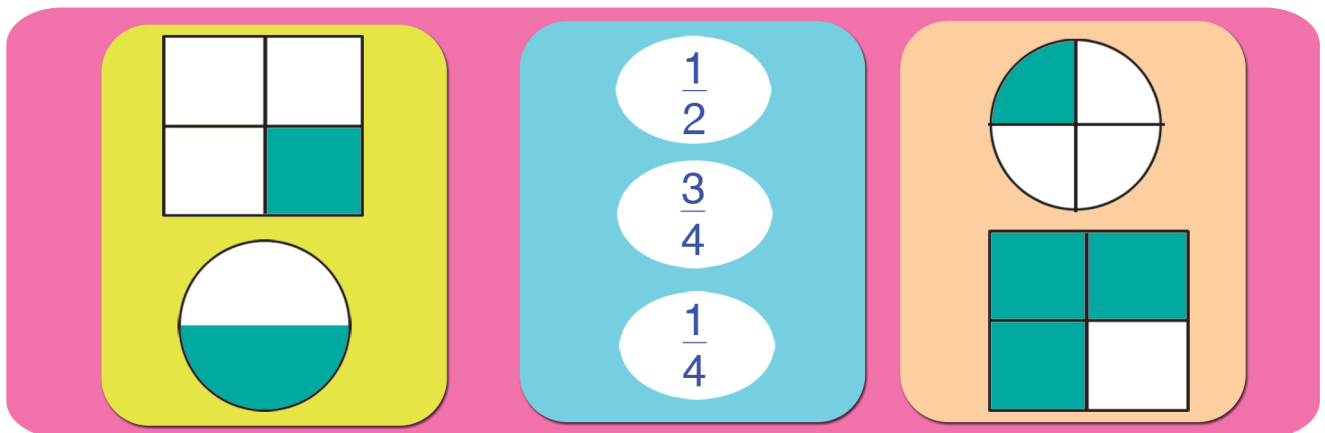
 $\frac{1}{2}$  $\frac{1}{4}$

6.2 RUBUCYADA SHAYGA

Hawlgalka-4



Laylis - 2

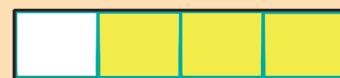
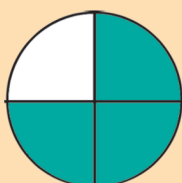
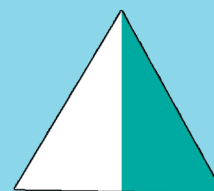
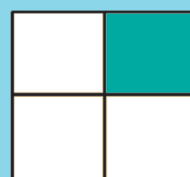
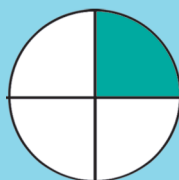
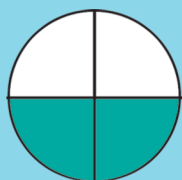


Hawlgalka-4 Waxyaalaha agagaarkooda laga helo ama sawirada afar geelayaasha sida xaashida cad ee buugooda afar meelood inta ay u qaybshaan meeshii walba $\frac{1}{4}$ ama rubuc inta ay yidhaahdaan ha ku magacaabaan.

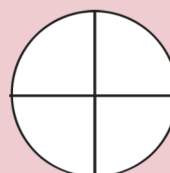
Laylis-2 Qaybaha sawirka ee midabka doogada lagu midabeeyey iyo $\frac{1}{4}$, $\frac{1}{2}$ iyo $\frac{3}{4}$ ha isku aadiyaan.



Laylis- 3



Laylis- 4

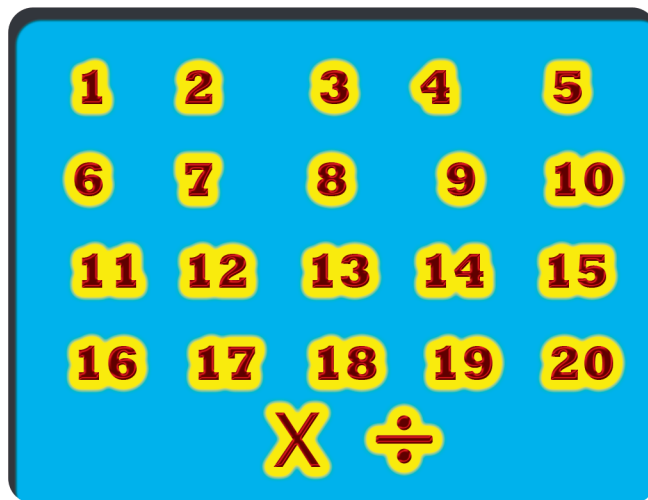


Laylis-3 Magaca jjabka ee dhinaca bidixda lagu dhigay sawirada u dhigma ha tilmaamaan

Laylis -4 Jjabka la siiyay Sawirka qaybtiisa u dhiganta ha hadheeyaan ama ha midabeeyaan.

CUTUBKA 7aad

ISKU DHUFASHADA IYO
ISUQAYBINTA TIRADA 2
IYO TIROOYINKA IDIL ILAA 20



7.1 ISKUDHUFASHADA 2 IYO TIRO KALE OO AY TARANTOODU ILAA 20 YAHAY

Hawlgalka- 1



3

+



3

=



6

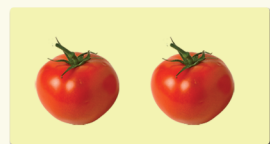
2

X

3

=

6



2

+



2

=



4

?

X

?

=

4

'X'

Tani waa calaamada
iskudhufashada.

Hawlgalka -1

Labo kooxood oo ka kooban saddex saddex arday oo wiilal ah inta aad soo hor joojisid fasalka bar sida 2 loogu dhufto tiro kale.

Hawlgalka2 (koox u shaqayn)

4 + 4 = 8

2 × ? = 8

5 + 5 = 10

2 × ? = ?

Hawlgalka-2 Fasalka dhexdiisa ardayda gabdha iyo innamada intad koox koox ugu kala qayliisid laba jeer oo imisa arday ah ayaa 8 noqon inta aad tidhaahdid koox kasta weydii si ay u sheegaan jawaabta. Ku diirigali si ay ugu fiirsadaan xidhiidka ay leeyihiin.
 $5 + 5 = 10$ iyo $2 \times 5 = 10$



Laylis 1 - 1

$2 + 2 + 2 = 6$
 $\boxed{?} \times 2 = 6$


$3 + 3 = 6$
 $\boxed{?} \times \boxed{?} = 6$

$\boxed{?} \times \boxed{?} = \boxed{?}$

Laylis -1

Jaajuurada iyo baa buurta int ay tiriyaan calaamada suaasha ee sanduuqa la dhax dhigay ha ku bedalaan tirada ku haboon.


Hawlgalka-3



2 jeer oo min 1 kubad ah=

1 + 1 =


2 x 1 =



2jeer oo min 3 kubadood ah=

3 + 3 =


2 x 3 =



2 jeer oo min 2 kubadood ah=

2 + 2 =

2 x 2 =



2 jeer oo min 5 kubadood ah=

+ =

x =

2 x 1 =

2 x 2 =

2 x 5 =

Hawlgalka-3 Kubadaha iyaga oo isticmaalaya natijada sanduuqa ha dhex dhigaan. Tirada 2 waxa la yidhaahdaa Isir ama baddiye natijada isku dhufashadana waxa la yidhaahdaa taran.



Laylis – 2

$$8 + 8 = \overset{\text{Isir}}{2} \times \overset{\text{Isir}}{8} \overset{\text{taran}}{=} 16$$

$$9 + 9 = \boxed{?} \times \boxed{?} = \boxed{?}$$

$$10 + 10 = \boxed{?} \times \boxed{?} = \boxed{?}$$

$$6 + 6 = \boxed{?} \times \boxed{?} = \boxed{?}$$

Laylis – 3



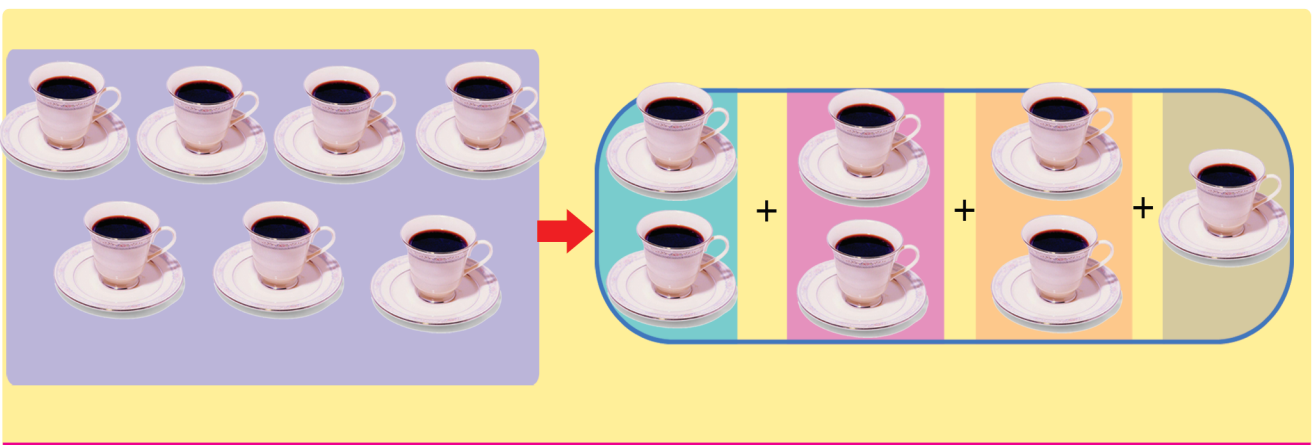
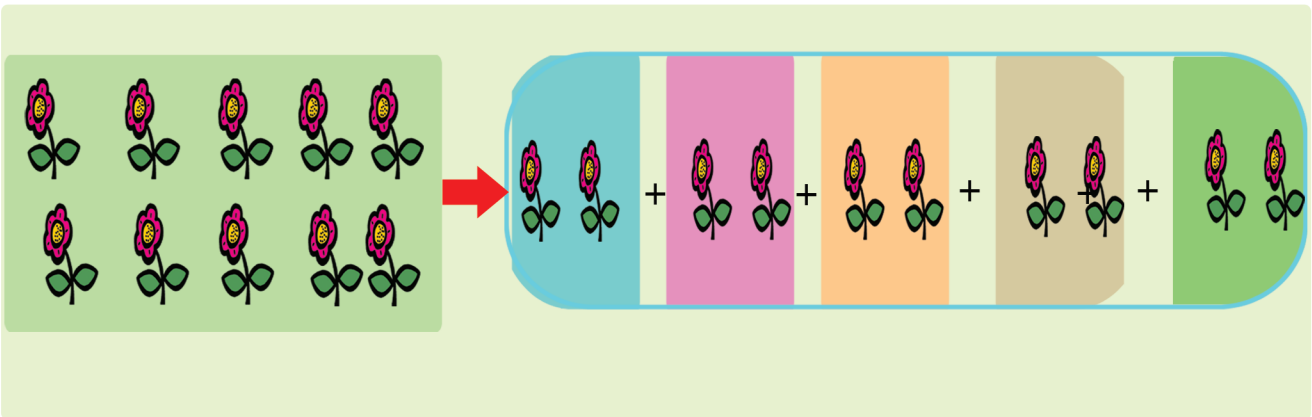
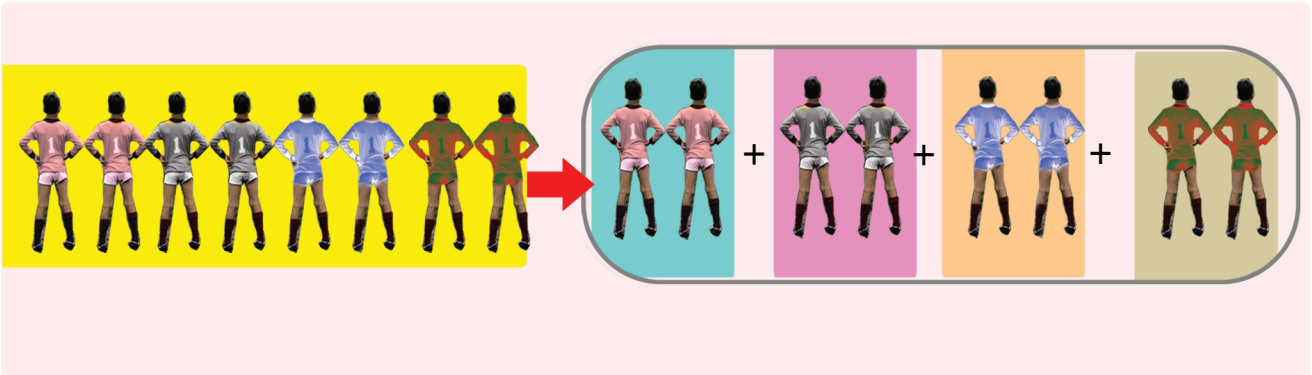
$$\boxed{?} + \boxed{?} = \boxed{?}$$

$$\boxed{?} \times \boxed{?} = \boxed{?}$$

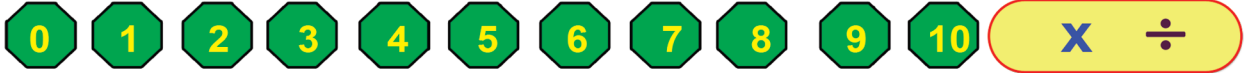
Laylis-2 Iyaga oo tusaalaha raacaya isugeynta inta ay iskudhufasho ubadalaan tirooyinka kala ah isirada iyo taranta meelaha bannaan ha ku buuxiyaan.

Laylis-3 Sawiradu sida ay u kala meelaysan yihiin inta ay u tiriyaan meelaha bannaan ha ku buuxiyaan isirada iyo, taranta.

Hawlgalka – 4 shaqa kooxeed



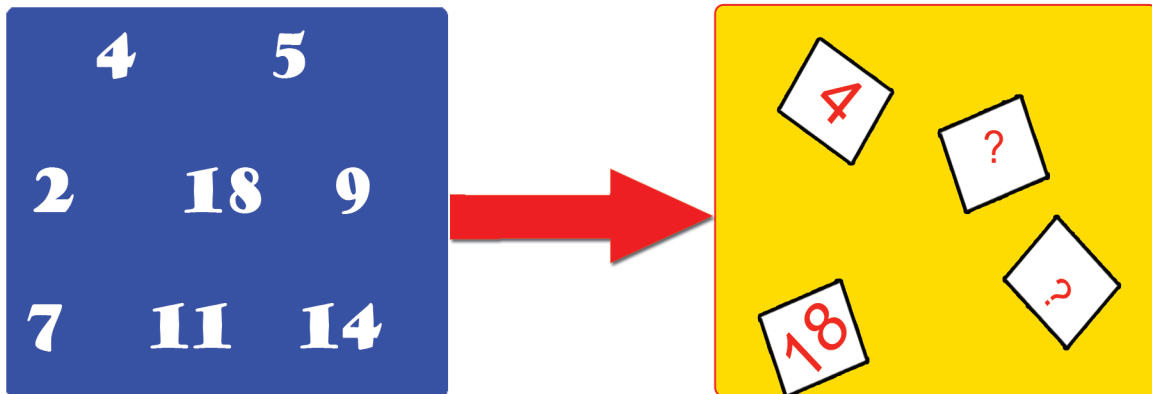
Hawlgalka- 4 Ardaydu ha u fiirsadaan in sawirada la siiyy ee sare ku xusani ay laba laba u kala meelayismi karaan ama aanay u meelayismi karaynin.



Hawlgalka-5 (Shaqo kooxeed (kooxo lammaane ah))

	✓
	X
	?
	?

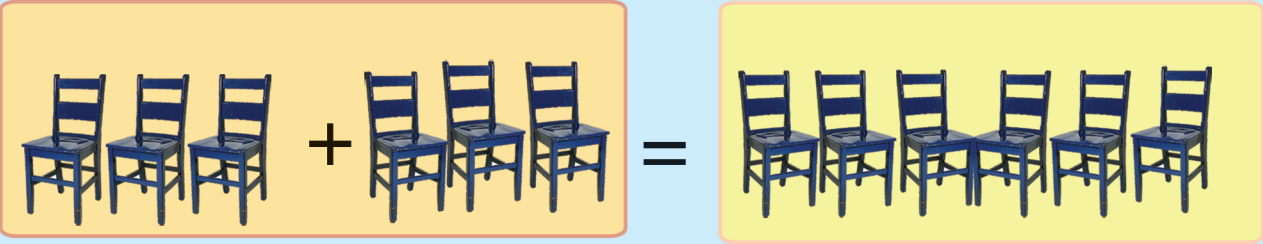
Laylis – 4



Hawlgalka- 5 Safkasta oo jiif ah sawirada ku yaala inta ay tiriyaan haddii ay sawiradu laba laba u meelayismi karaan sida tusaalaha lagu muujiyey ✓ haddii aanay u meelays mayn X inta ay ku calaamadeeyaan ha ku jawaabaan.

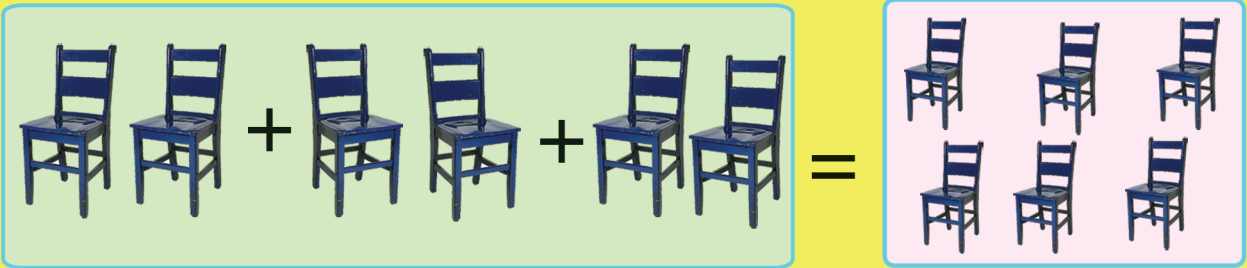
Laylis-4 Dhinca biddixda tirooyinka ku xusan kuwa laba-laba loo meelayn karo inta ay ka dhex xushaan sida tusaalaha lagu muujiyey sanduuqa ha ku dhex qoraan.

Hawlgalka-6



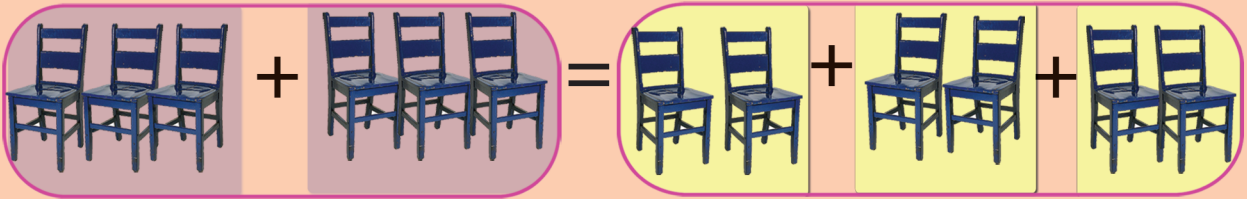
$2 \times 3 = 6$

6



$3 \times 2 = 6$

6



× = ×

Hawlgalka -6 (kuraasta) inta ay tiriyaan ha isku dhuftaan Meelaha bannaan tirooyinka weedha run ka dhigaya ha ku buuxiyaan.



Laylis - 5

X =

 X =

X =

 X =

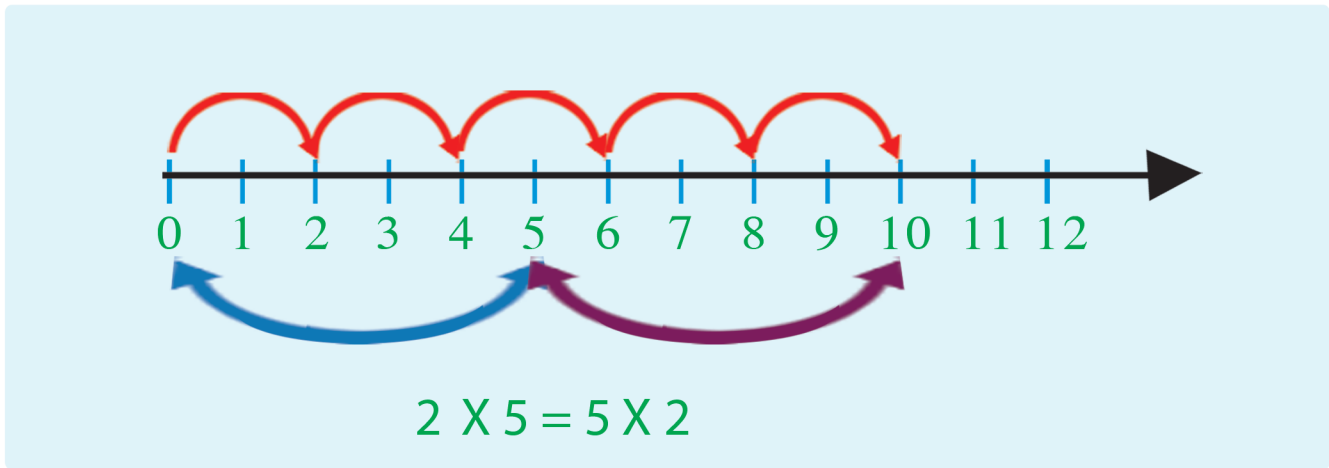
$$2 \times 3 = \boxed{?} \times 2$$

$$4 \times 2 = \boxed{?} \times \boxed{?}$$

Laylis -5

Ardaydu iyaga oo adeegsana ya sawirada sare ku xusan meelaha ba nnaan ee ay calaa mada su aashu ku taalo ha ku buuxiyaan tirada ku haboon.

Laylis – 6



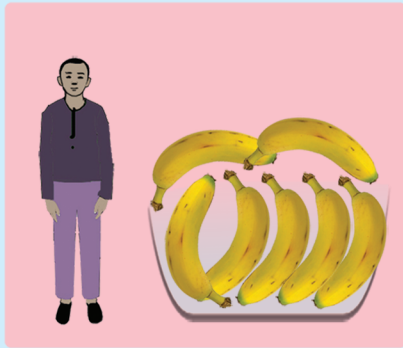
$1 \times 2 = 2$	$6 \times 2 = 12$
$2 \times 2 = 4$	$7 \times 2 = 14$
$3 \times 2 = 6$	$8 \times 2 = 16$
$4 \times 2 = 8$	$9 \times 2 = 18$
$5 \times 2 = 10$	$10 \times 2 = 20$

$8 \times 2 = $ <input style="width: 40px; height: 20px;" type="text"/>	$2 \times 10 = $ <input style="width: 40px; height: 20px;" type="text"/>
$2 \times 8 = $ <input style="width: 40px; height: 20px;" type="text"/>	$10 \times 2 = $ <input style="width: 40px; height: 20px;" type="text"/>

Laylis -6

Ardaydu ha akhriyaan iyaga oo ku dhawaaqaya natiijada iskudhufashada kadibna meelaha bannaan ee calaamada suaashu ku taalo ha ku buuxiyaan tirada ku haboon.

Laylis - 7



?

X



?

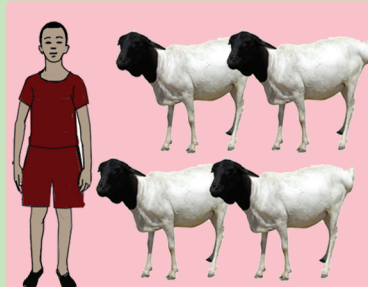
=

?



?

X



?

=

?



?

X



?

=

?

Laylis -7 Furfurista mas'alooyinka (weedh xisaabeedyo)

7.2 Isuqaybinta tirooyinka Dhabanka ah ilaa 20 iyo tirada 2

Hawlgalka - 7

$6 \div 2 = [?]$

$4 \div 2 = [?]$

$8 \div 2 = [?]$

Hawlgalka -7 Natiijada isuqaybinta meelaha bannaan h ee ay ku taalo calaamada suaashu ha ku qoraan.

0

1

2

3

4

5

6

7

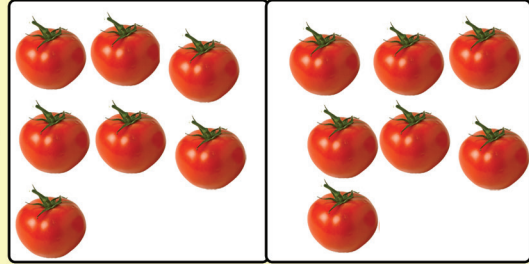
8

9

10

X ÷

Hawlgalka- 8

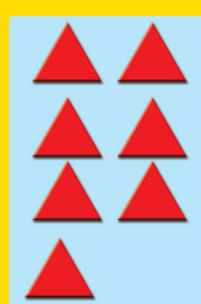
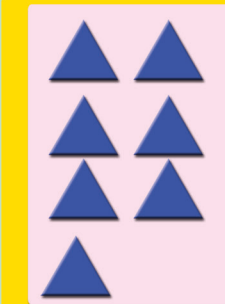
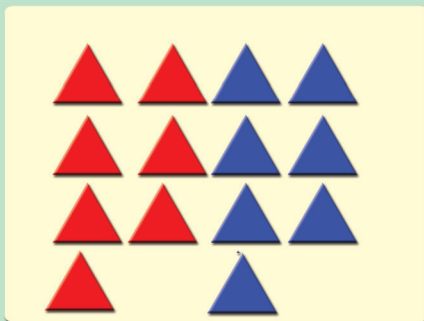


$$14 \div 2 = \boxed{?}$$

Laqaybshe ÷ qaybshe = Qayb



$$\boxed{?} \div \boxed{?} = \boxed{?}$$



$$\boxed{?} \div \boxed{?} = \boxed{?}$$

$$\boxed{?} \times \boxed{?} = \boxed{?}$$

Hawlgalka-8 Ardaydu sawirada kala duwan ee sare ku xusan inta ay tiriyaan isuqaybinta tirada run ka dhigaysa meelaha bannaan ee calaamada suaashu ku taalo ha ku buuxiyaan.

Laylis – 8

$$10 \div 2 = \boxed{?}$$

$$18 \div 2 = \boxed{?}$$

$$20 \div 2 = \boxed{?}$$

$$14 \div 2 = \boxed{?}$$

$$12 \div 2 = \boxed{?}$$

$$8 \div 2 = \boxed{?}$$

Isuqaybinta u qaybshaheedu yahay 2 waxaa lagu macnayn karaa iskudhutasho ay isirada midkood yahay 2.

$$12 \div 2 = 6$$

$$2 \times 6 = 12$$



$$14 \div 2 = \boxed{?}$$

$$2 \times 7 = \boxed{?}$$



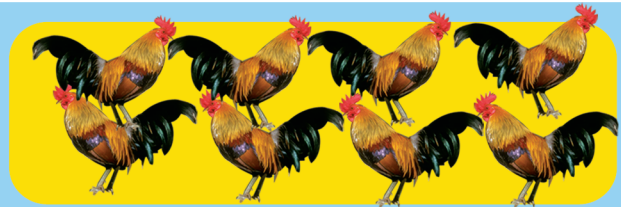
$$16 \div 2 = \boxed{?}$$

$$\boxed{?} \times \boxed{?} = \boxed{?}$$



$$8 \div 2 = \boxed{?}$$

$$4 \times 2 = \boxed{?}$$



$$10 \div 2 = \boxed{?}$$

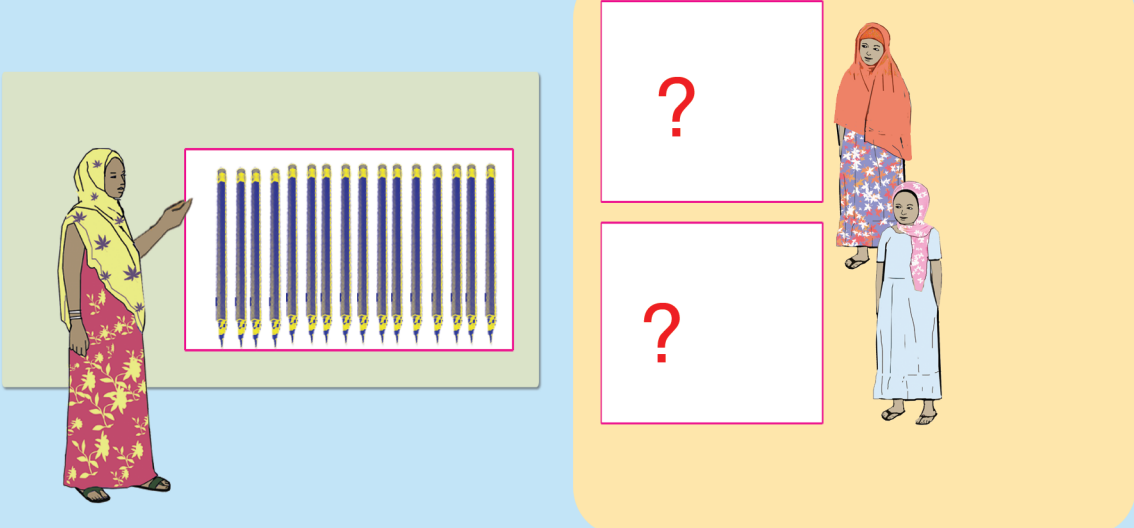
$$5 \times 2 = \boxed{?}$$



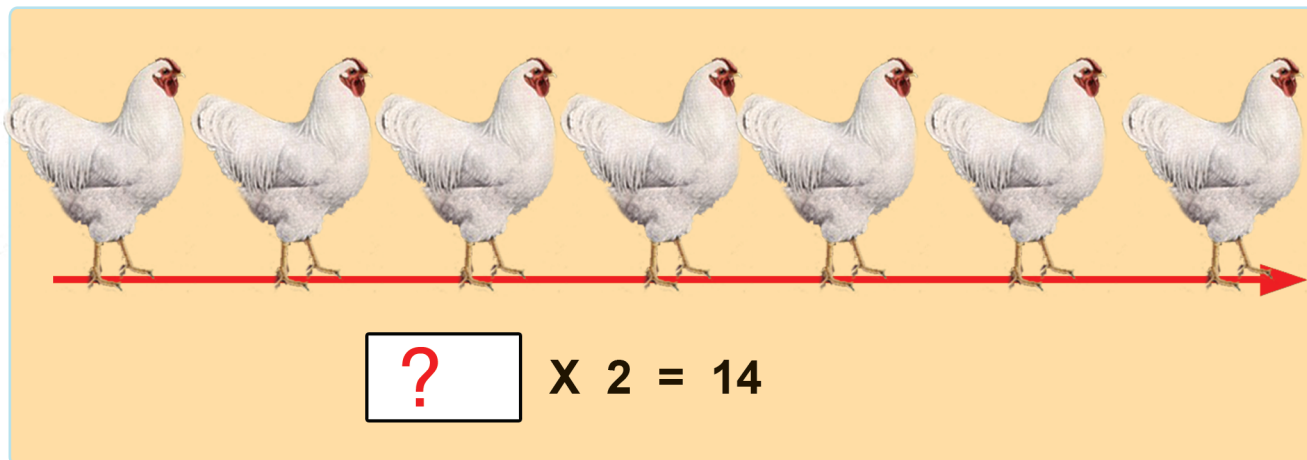
Laylis 8

Isuqaybinta u qaybshaheedu yahay 2 inta ay ku macneeyaan (sharraxaan) iskudhufasho uu isirada midkood yahay 2 kadibna sida tusaalaha sare ku xusan ha buuxi yaan meelaha banaan.

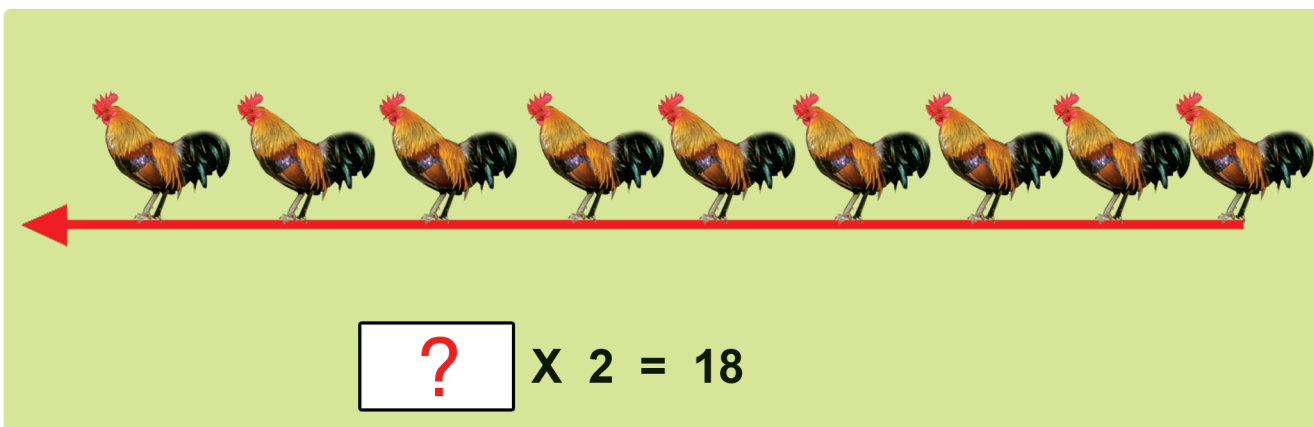
Laylis - 9



A woman in a yellow and red patterned dress points to a board displaying 12 blue pencils. To the right, two children stand next to two empty boxes, each containing a red question mark.



Seven white chickens are lined up above a red arrow pointing to the right. Below the arrow is a math problem: $\boxed{?} \times 2 = 14$



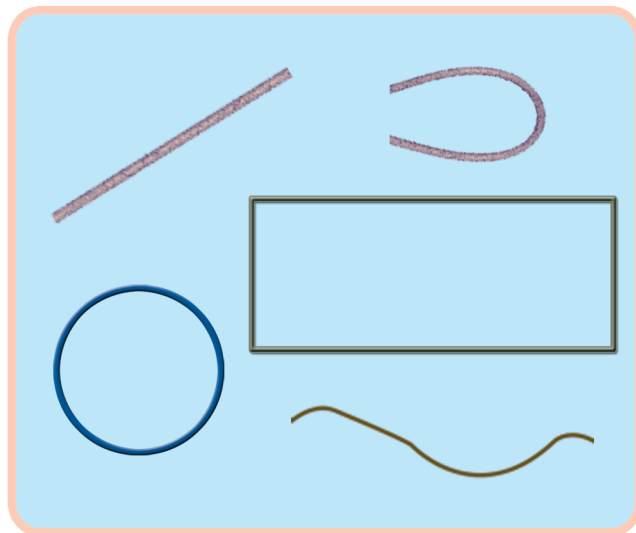
Eight colorful roosters are lined up above a red arrow pointing to the left. Below the arrow is a math problem: $\boxed{?} \times 2 = 18$

Laylis 9

Furfurista mas'alooyinka.

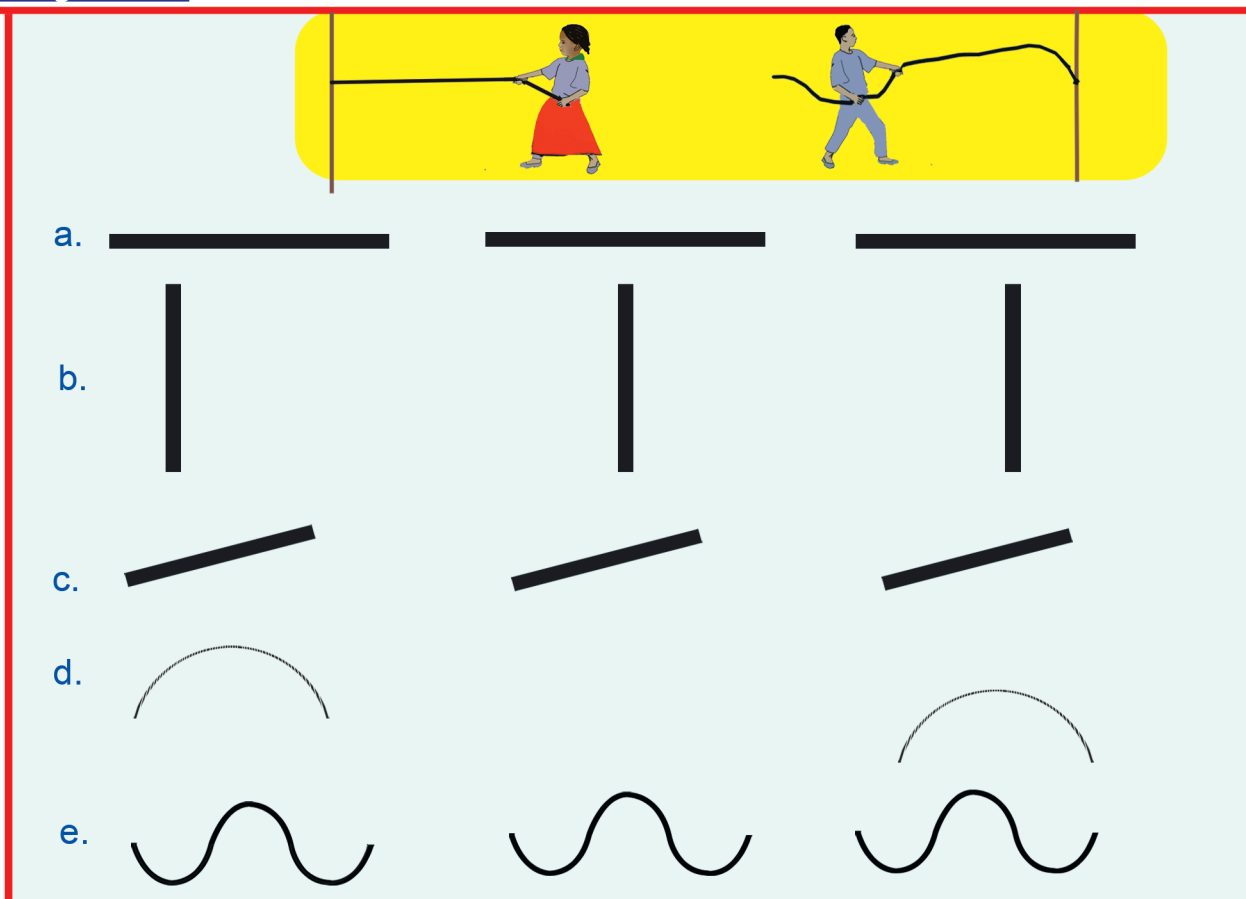
CUTUBKA 8aad

XARRIIQAHA IYO SHAXANADA FUDUD



8.1 Xarriiqaha Toosan iyo xarriiqaha xoodan

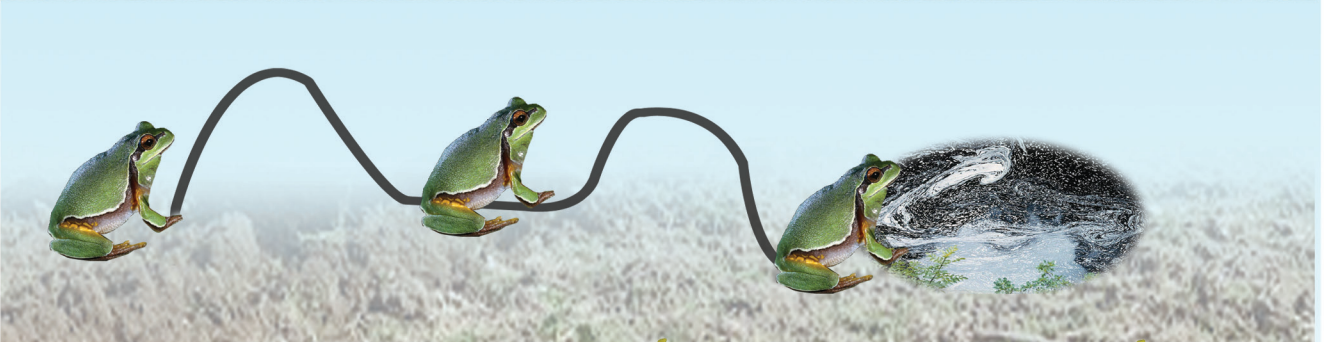
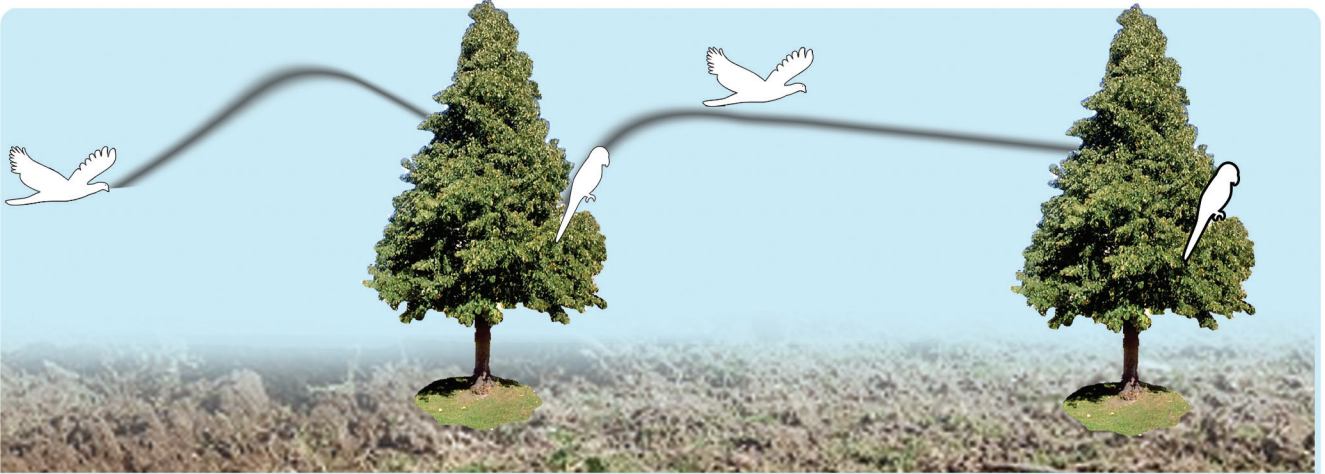
Hawlgalka – 1



- Hawlgalka-1** – U hogaami ardayda inay u kala soocaan xarriiqaha sare ku xusan xarriiqaha toosan iyo xarriiqaha xoodan.
- Ardaydu inta ay farahooda mid ka mid ah fidiyaan matalahaan ha tijaabiyaan inay sawirada xarriigaha toosan iyo xarriigaha xoodan hawada ku sawiraan. kadibna sawirada buuggaagtooda ha ku sawiraan iyaga oo ku celcelinaya.



Hawlgalka – 2



Hawlgalka- 3

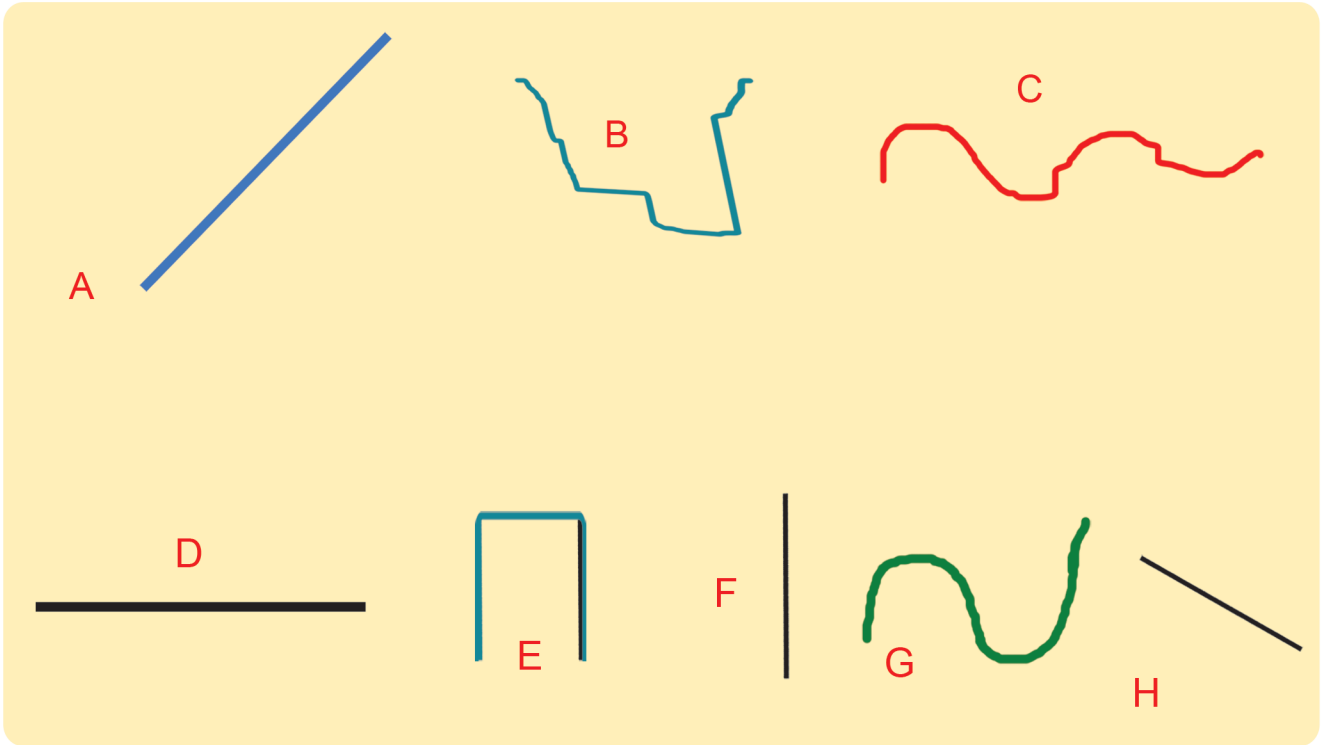


Hawlgalka-2 Ardaydu waxyaabaha kala duwan ee sawirada sare ku xusan wadooyinka ay marayaan ha u kalasaareen xarriiq toosan iyo xarriiq xoodan.

Hawlgalka-3 Hawl-kooxeed rdaydu waxyaabaha ku xeeran ee laga helo agagaarkooda inta ay soo indhaindheeyaan ha u kala saareen xarriiq toosan iyo xarriiq xoodan.
Kadibna ardaydafasalkooda ha u soo jeediyaan.



Laylis – 1



Xariiq toosan

A

Xariiq xoodan

B

Laylis- 1

Ardaydu xarriiqaha sare ku xusan ha u kala saareen xarriiq toosan iyo xarriiq xoodan; kadibna xarafka ku dul qoran xarriiqaha haku qoraan meelaha bannaan ee tilmaamaya nooca xarriiqaha sida ku cad tusaalaha la siiyey.

8.2. SHAXANNADA FUDUD

Hawlgalka- 5



Laylsi - 3

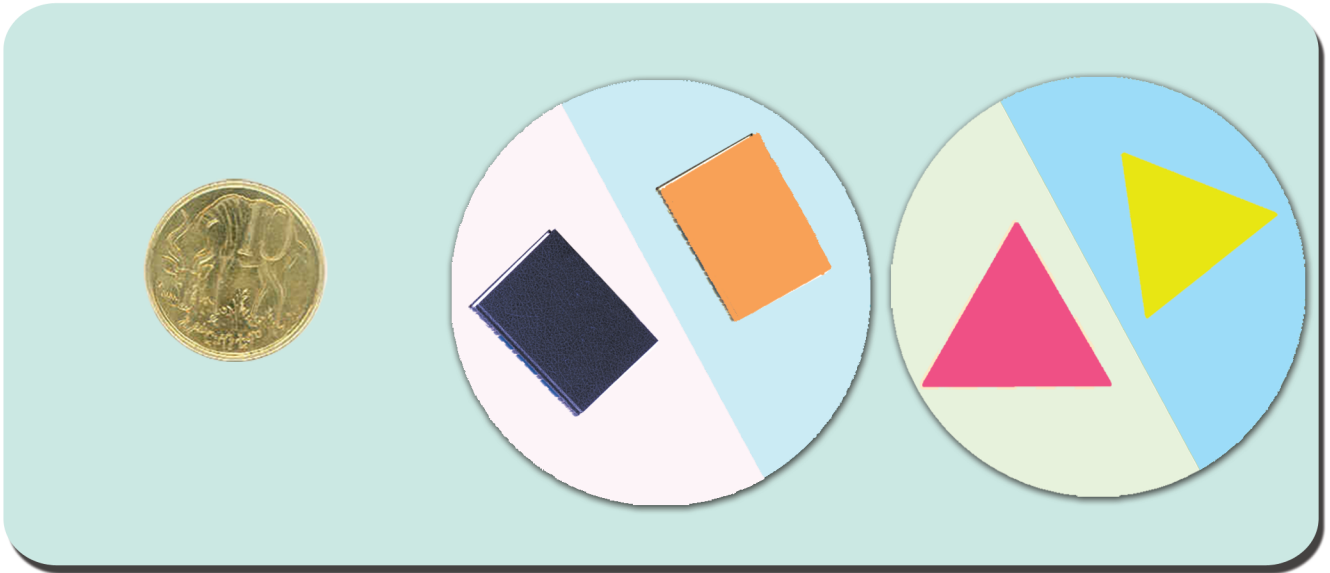


Hawlgalka -5 Ardaydu shaxanada sare ku xusan ee Hawlgalka 5^{aad} ha u kala saaraan Afar-dhinacle saddex-dhinacle iyo goobo. Shay qaabka goobada leh sida shilinka inta ay adeegsadoan ha sawiraan goobo.

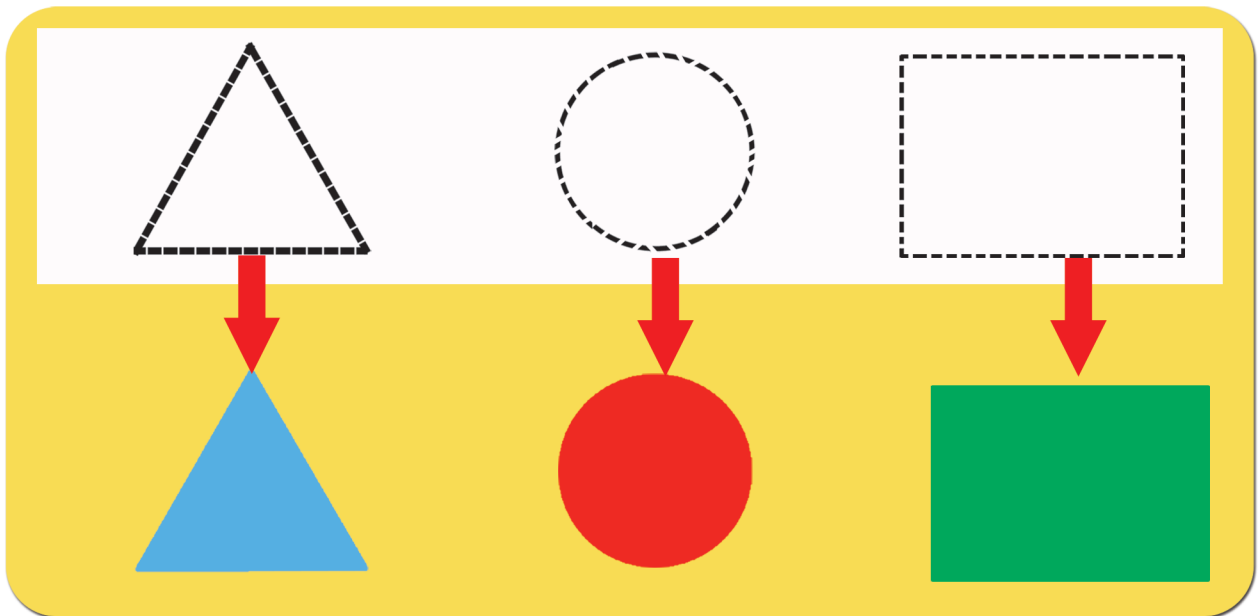
Laylsi-3 Ardaydu waxyaabaha laga helo agagaarkooda sida kuwa leh qaabka Afar-dhinac saddex-dhianc iyo goobada iyaga oo ka samaynaya warqado qaabka shaxanka ha u sheegaan fasalka.



Laylis - 4



Hawlgalka -6



Laylis -4

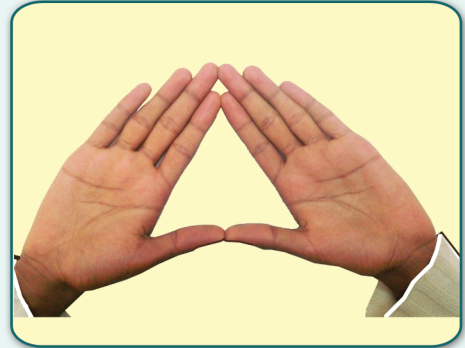
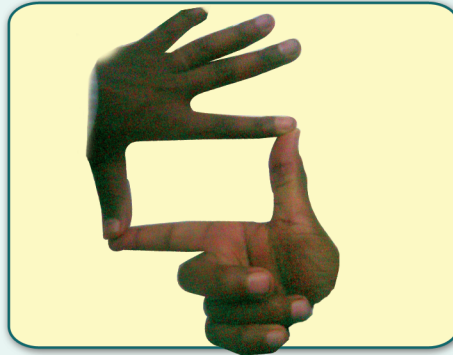
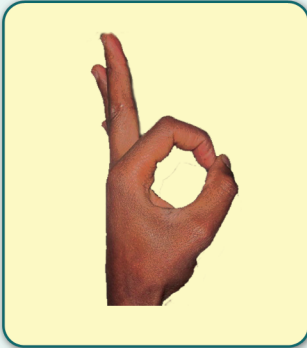
Wax yaabaha agagaarkooda laga helo sida shilinka furka dhalooyinka cidhifyada buugtooda iyaga oo isticmaalaya ha sawiraan, goobo, Afar-dhinacle iyo saddex-dhinacle. (saddexagal)

Hawlgalka -6

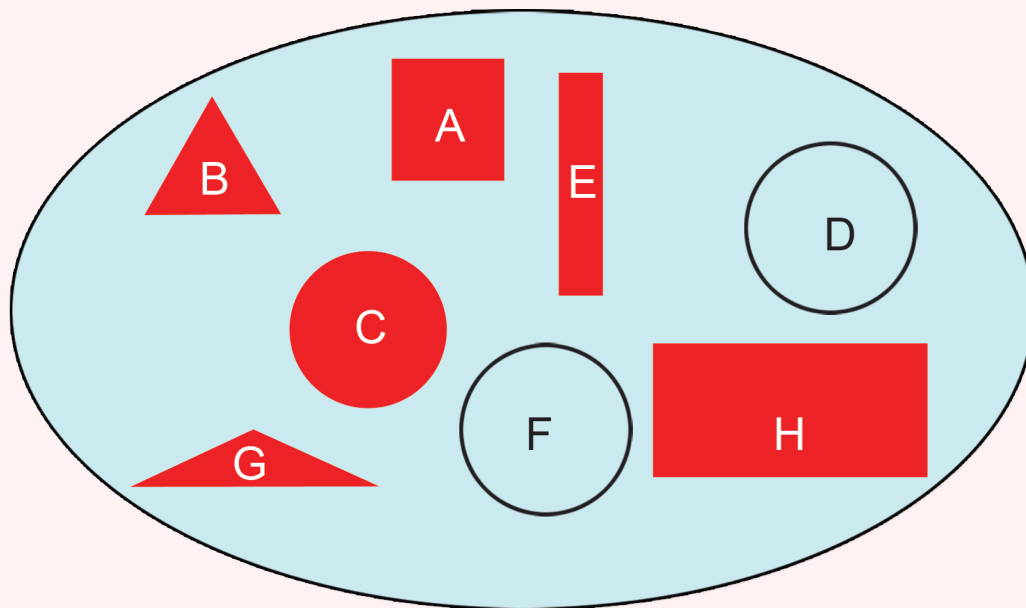
Dhibcaha ama baraha inta ay isku xidhiidhiyaan ha ka sawiraan (sameeyaan) shaxanka. Isla markaana ha sheeqaa shaxanka falaadha lagu tilmaamay.



Hawlgalka – 7



Hawlgalka– 8



saddexagal

B

Afar-dhinacle

goobo

Hawlgalka-6

lyaga oo isticmaalaya farahooda ha tilmaamaan qaababka shaxanada sida saddax- dhinacle, goobo iyo afar-dhinacle.

Hawlgalka -7

lyaga oo koox koox ah koox kasta shaxanada ha ku kala meelayso meesha u ku tirsan yahay.



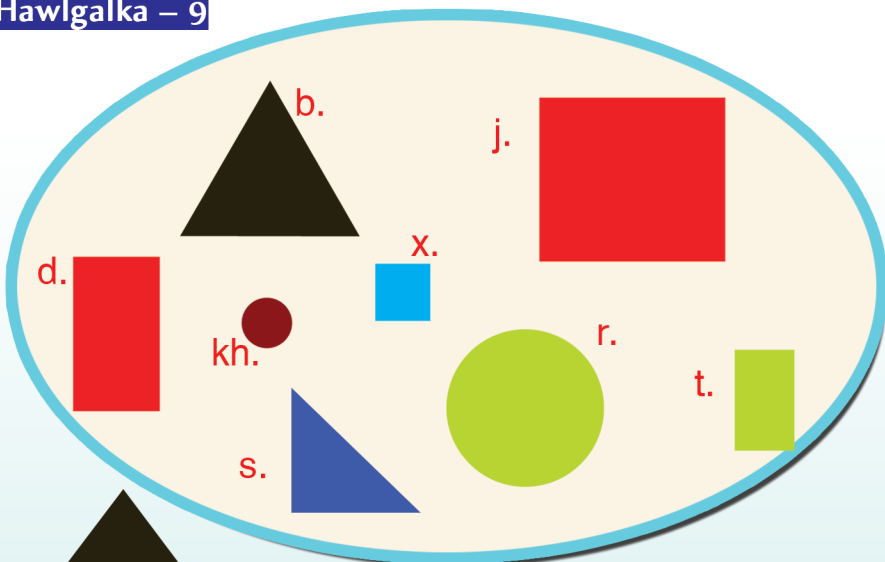
Laylis – 5

A			
B			
C			

Laylis -5 Xarriiqaha googo'an inta ay isku xidhiidhiyaan ha sawiraan saddex-dhinacle, afar-dhinacle iyo goobo.



Hawlgalka – 9



b. Saddax-dhinacle, (Saddexagal)

t. afar-dhinacle

j. _____

x. _____

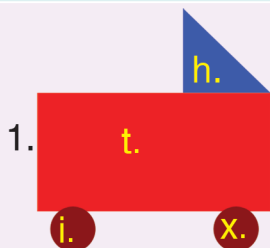
kh. _____

d. _____

r. _____

s. _____

Laylis – 6



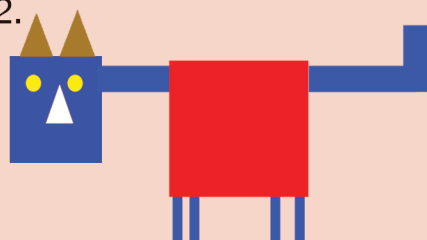
b. saddax-dhinacle(saddexagal)

t. _____

J. _____

x. _____

2.



shaxankani imisa goobo ayu leeyahar? _____

Imisa saddax-dhinnacle ayuu leeyahay? _____

Imisa afar-dhinacle ayuu leeyahay? _____

Hawlgalka-9

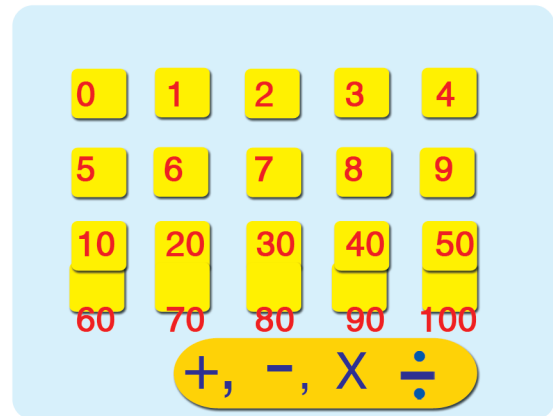
Shaxanada la isku ururiyey ee goobada ku jira magaacdooda ha qoraan. Iyada oo la isticmaalayo saddax-dhinacle afar-dhinacle iyo goobo sida shaxan guri ueg looga sameeyay ha u fiirsadaan. Kadibna iyaga oo koox koox ah ha sameeyaan qaabab kala geddisan.

Laylis-6

1. Ha sheegaan sawirka samaystiisa shaxanada la isticmaalay.
2. Ha sheegaan oo ha qoraan tirada goobada ,saddax-dhinaclaha iyo afar-dhinacle ee sawirka lagu sameeyey.

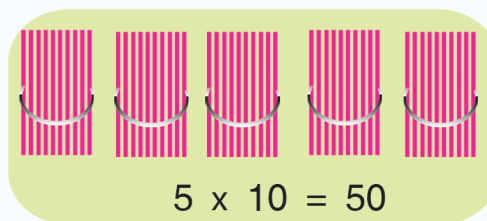
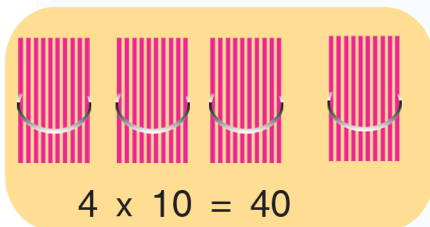
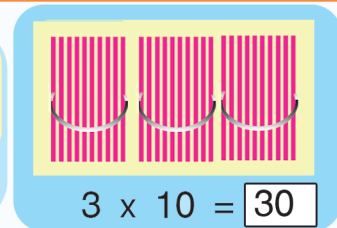
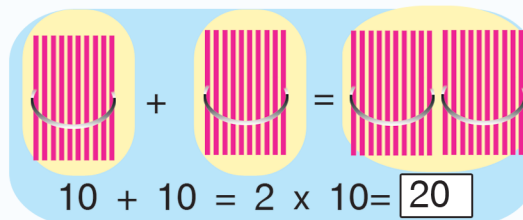
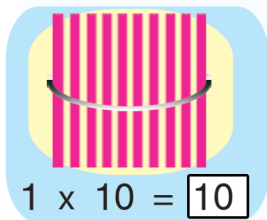
CUTUBKA 9aad

TIROOYINKA IDIL ILAA 100



9.1 Dhufsaneyaasha 10 ee ilaa 100

Hawlgalka- 1



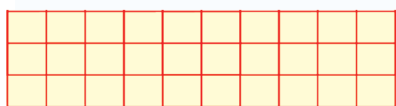
Laylis - 1



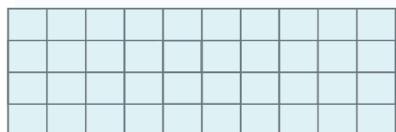
$$1 \times 10 = 10$$



$$2 \times 10 = 20$$



$$\square \times \square = \square$$



$$\square \times \square = \square$$

Hawlgalka- 1 Ardaydu xidhmooyinka toban tobanka u xidhan inta ay tiriyaan ha soocaan dhufsaneyaasha 10.

Laylis -1 Ardaydu iyaga oo raacaya tusaalaha layliska 1^{aad} ee labajibuaraneyaasha shaxanka loo qaybshay inta ay tiriyaan meelaha bannaan ha buuxiyaan.

10

20

30

40

50

60

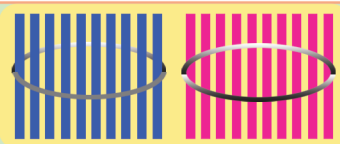
70

80

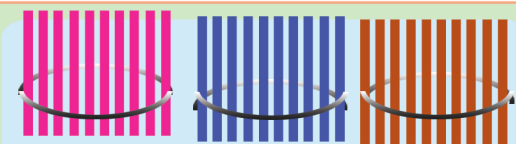
90

100

Hawlgalka – 2



<



$$10 + 10$$

<

$$10 + 10 + 10$$

$$2 \times 10$$

<

$$3 \times 10$$

2

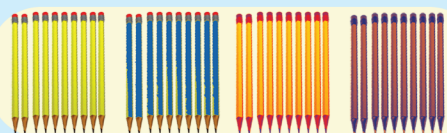
<

3

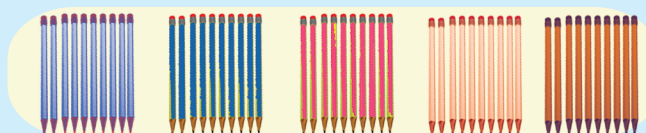
20

<

30



$$10 + 10 + 10 + 10$$



$$10 + 10 + 10 + 10 + 10$$

$$4 \times 10 < 5 \times 10$$

$$4 < 5$$

$$40 < 50$$

Laylis – 2

<

>

=

$$60 > 40$$

$$6 > 4$$

$$6 \times 10 > 4 \times 10$$

$$50 \boxed{?} 30$$

$$70 \boxed{?} 80$$

$$90 \boxed{?} 20$$

$$40 \boxed{?} 4 \times 10$$

Hawlgalka- 2

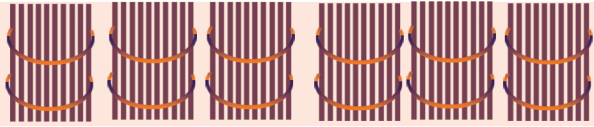
Iyaga oo adeegganaya xidhmooyinka (ulaha) toban tobanka loo xidhay ha isbarbardh-igaan dhufsaneyaasha 10.

Laylis -2

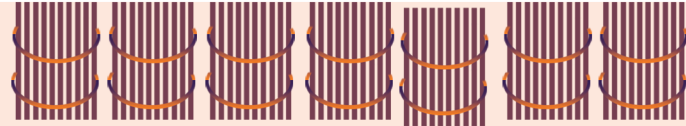
Iyaga oo raacaya tusaalaha tirooyinka intay isbarbardhigaan meelaha bannaan calaamadaha ku haboon ha galiyaan.



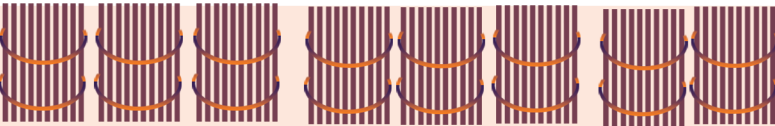
Laylis – 3



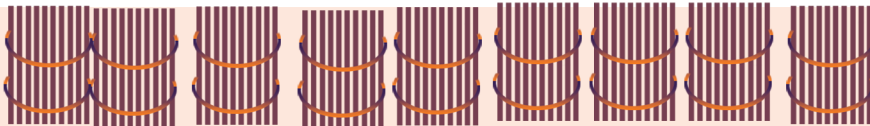
60



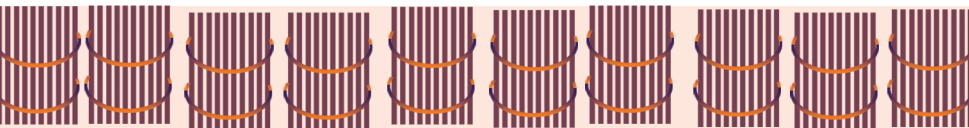
70



80



90



100

10	20	30				70		90	
1X10	2X10	3X10		5X10				9X10	

2. Iskudhufashada 10 iyo tiro halgodle ah.

$$3 \times 10 = \boxed{?}$$

$$8 \times 10 = \boxed{?}$$

$$5 \times 10 = \boxed{?}$$

$$4 \times 10 = \boxed{?}$$

$$9 \times 10 = \boxed{?}$$

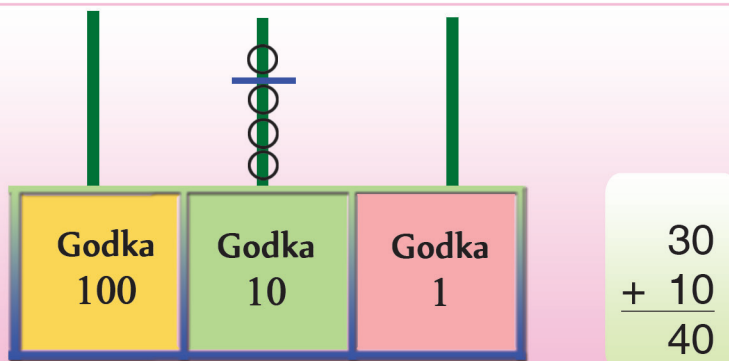
$$7 \times 10 = \boxed{?}$$

Laylis -3

Sida tusaalaha lagu muujiyay meelaha bannaan ha buuxiyaan. Ha xisaabiyaan isku dhufashada 10 iyo tiro halgodle ah. ugu danbaaystiina dhufsanayaasha 10 ee ilaa 100 ha u kala saaraan 10, 20, 30, 40, 50, 60, 70, 80, 90 iyo 100.

Hawlgalka- 3

Abaakas



Shaxda Isugeynta

$$40 + 20 = \boxed{60}$$

$$\begin{array}{r} 40 \rightarrow \boxed{} \\ + 20 \rightarrow \boxed{} \\ \hline 60 \rightarrow \boxed{} \end{array}$$

+	Godka 10	Godka 1
	4	0
	2	0
	6	0



Laylis - 4

$$30 + 40 = \boxed{?}$$

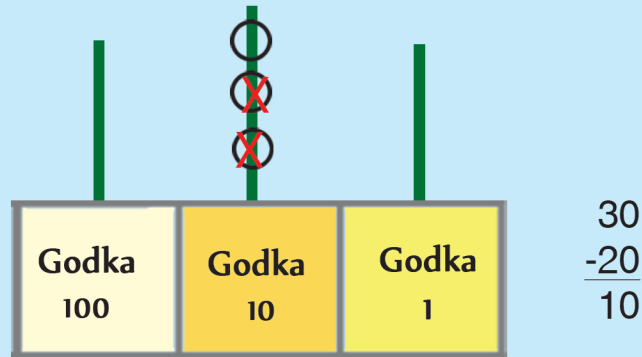
$$60 + 20 = \boxed{?}$$

$$20 + 70 = \boxed{?}$$

$$90 + \boxed{?} = 100$$

Hawlgalka-3 Iyaga oo adeegsanaya qalabka abaaqaska ee loo samee yay in lagu muujiyo qiima-rugeedka godadka iyo shaxda isugeynta ha hubiyaan isugenta.

Laylis-4 Iyaga oo adeegsanyay abaaqas ama shada isugeynta xisaabfalka isugeynta ha xisaabiyaan.

**Hawlgalka- 4****Abaakas**

Shaxda Kalagoynta

$$90 - 30 = \boxed{60}$$

	Tobnaad	Koowaad
9	0	laga gooye
3	0	la gooye
6	0	faraq

**Laylis - 5**

$$40 - 30 = \boxed{?}$$

$$60 - 20 = \boxed{?}$$

$$70 - \boxed{?} = \boxed{20}$$

Hawlgalka-4

Iyaga oo adeegsanaya abaaqaska loo sameeyay cadynta (sharraxidda) qiima-rugeedlka godadka ee tirda iyo shaxada isugeynta ha xaqiijiyaan faraaqa kalagoynta.

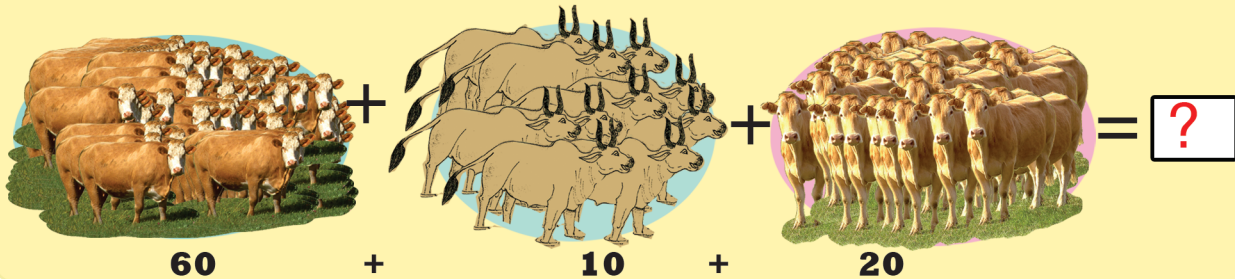
Laylis 5

Abaakas ama shaxda isugeynta iyaga oo adeegsanaya ha xisaabi-yaan faraaqa.

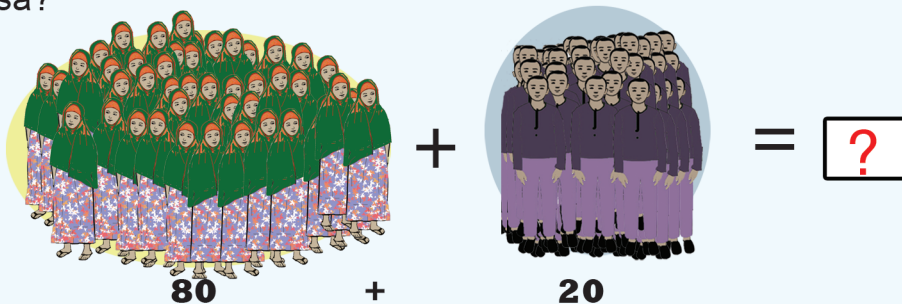
Laylis - 6

Masalooyin (shaqo kooxeed)

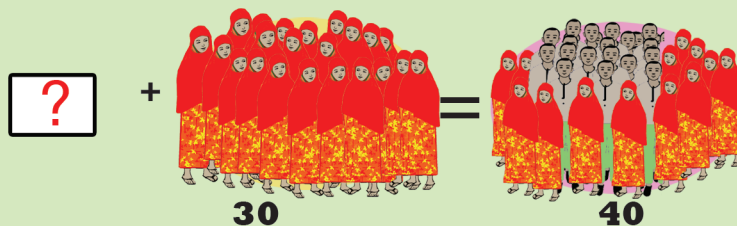
1. Xero lo'da lagu dhaqo haddii ay ku jiraan 60 sa'c, 10dibi iyo 20 weylood. Xerada dhaxdeeda guud ahaan lo'da ku Jirtaa wa imisa?



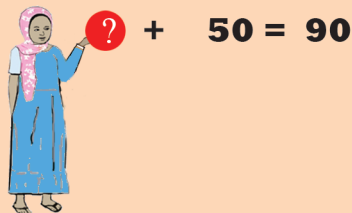
2. Fasalka koowaad iyo fasalka labaad ardayda ku Jirtaa haddii tirada gabdhuhu ay tahay 80 ta innamadu na 20. Dhamaan labada fasal ardayda ku Jirtaa waa imisa?



3. Fasal dhaxdiis waxa ku jiraa 40 arday. Ardaydaas 30 ka mid haddii ay gabdho yihiin tirada innamadu waa imisa ?



4. Anu waxaan ahay tiro. 50 marka la igu daro waxaan noqon 90. Anu ayaan ahay.

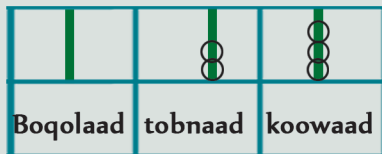
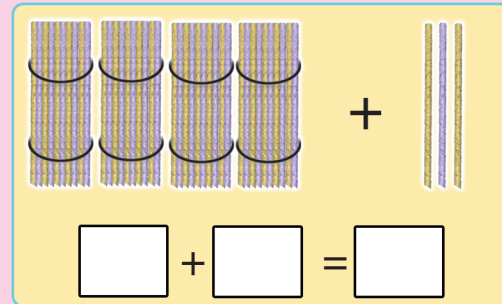
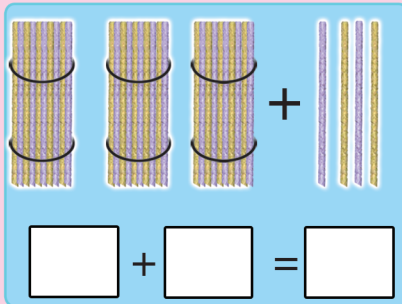
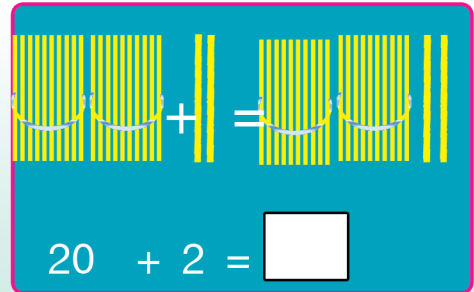
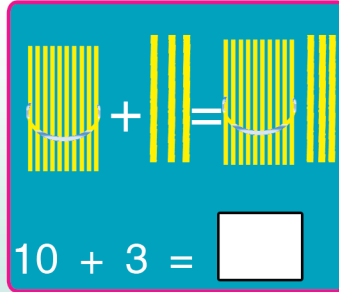
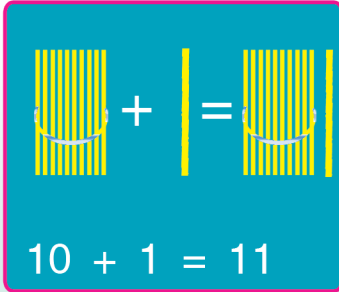


Laylis -6

Masalooyinka ardaydu iyaga oo koox koox ah ha kashaqeeyaan.

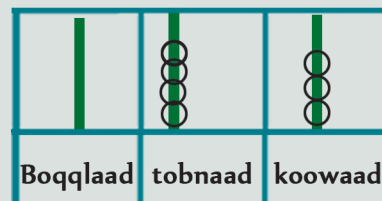
9.2 Tirooyinka idil 21 ilaa 100

Hawlgalka-5



$$20 + 3 = 23$$

$$2 \times 10 + 3 = 23$$



$$54 = 50 + 4 = 5 \times 10 + 4$$

Laylis - 7

$$10 + 9 = \square$$

$$\square + 60 = 65$$

$$30 + 7 = \square$$

$$7 + \square = 97$$

Hawlgalka-5 Iyaga oo adeegsanaya xidhmooyin (uloo) toban toban la isugu xidhay iyo 9 qoryo daadsan oo aan la isku xidhin ama abaakas u samaysan muujinta qiima-rugeedka ha xisaabiyaan isugeynta.

Laylis 7 Meelaha bannaan ha ku buuxiyaan tirada ku hahoon.

Hawlgalka- 6

60+7

19 67 59

20+7 27 35 77 70+7 30+5

94 80 63

Laylis - 8

1. $43 = 40 + 3$

2. $59 = \square + \square$

3. $78 = \square + \square$

4. $\square = 80 + 8$

5. $17 = \square + \square$

Hawlgalka-6

karti ha u yeeshaan in tiro laba-god ah ay u qoraan wadar ka kooban tiro ah dhufsanaha 10 iyo tiro hal-god ah.

Laylis-8

Tiro laba-god ah ha u qoraan tiro kalo u dhiganta oo ka kooban wadarta tiro ah dhufsanaha 10 iyo tiro hal-god ah.



9.3 Horsanaanta Tirooyinka Idil ilaa 100

Hawlgalka- 7

1.

21	22	23	24	25	26	27	28	29	30
----	----	----	----	----	----	----	----	----	----

2.

34			37				41		43
----	--	--	----	--	--	--	----	--	----

3.

49				53					58
----	--	--	--	----	--	--	--	--	----

4.

	57					62			65
--	----	--	--	--	--	----	--	--	----

Laylis - 9

1. 73, 72, 78, 76
 $72 < 73 < 76 < 78$

3. 18, 26, 19, 29, 32

2. 31, 13, 62, 27

4. 75, 82, 99, 80

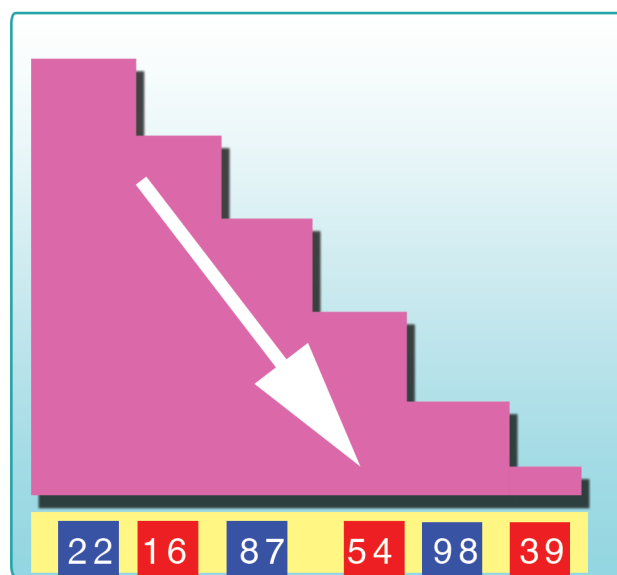
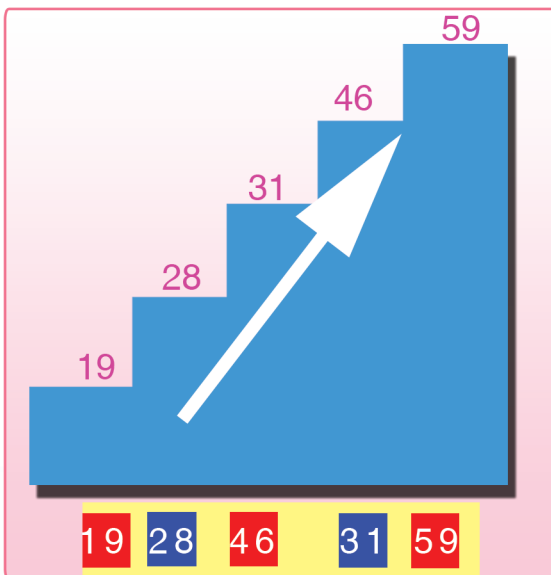
Hawlgalka-7 ha raadiyaan tirooyinka u dhexeeya laba tiro, isla markaana iyaga oo u qoraya sida ay u kala horeeyaan meelaha bannaan ha ku buuxiyaan ardaydu.

Laylis-9 Iyaga oo tusaalaha raacaya sida ay ukala horeeyaan ha u qoraan.

Hawlgalka- 8

1	2	3	4	5		7	8	9	10
11	12	13	14	15	16	17	18	19	20
	22	23		25	26	27	28	29	
31	32	33	34	35	36	37	38		40
41		43	44	45	46	47			50
51	52	53	54	55	56			59	
61	62	63	64	65		67	68	69	
71	72	73			76	77	78		80
81	82	83	84	85	86	87	88		90
91		93	94	95		97		99	100

Laylis - 10



Hawlgalka- 8 Meelaha bannaan ha ku buuxiyaan tirooyinka ka maqan sida ay ukala horeeyaan. Kadibna ku amar inay tirooyinka akhriyaan iyaga oo kor, ugu dhawaaqaya.

Laylis- 10 Jaranjarada meelaha bannaan tirooyinka la siiyay kor ha ugu buuxiyaan iyaga oo kaga bilaabaya tirada yar.



Hawlgalka- 9

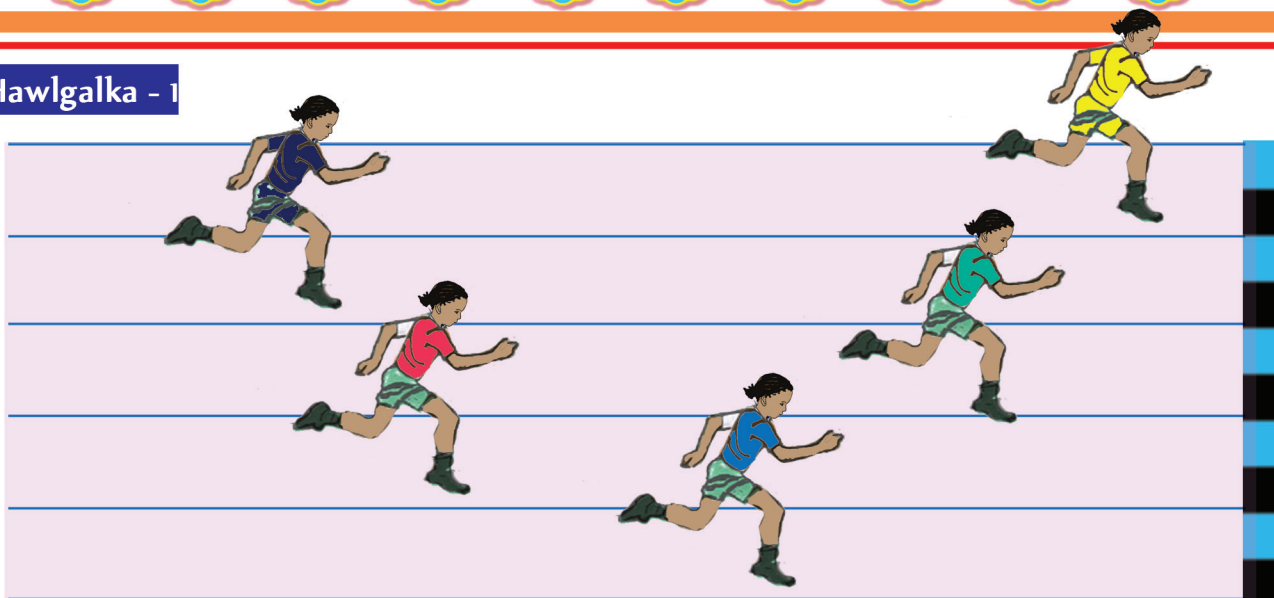
19	20	?	70	?	85
?	22	?	76	?	62
?	27	?	79	?	40

29	30	62	?	94	?
33	?	67	?	55	?
49	?	77	?	69	?

24	25	26	58	?	60	45	?	47
35	?	37	81	?	83	75	?	77
43	?	45	96	?	98	51	?	53

Hawlgalka-9 Iyaga oo tusaalooyinka raacaya, kahoreeyaha, kadanbeeyaha iyo laba tiro tirada u dhaxaysa waa inay sheegaan isla markaana qoraan.

Hawlgalka - 1



Laylis-II



Fatxiya

Wacays

Geedi

Xaawa

Fatxiya _____ 1^{aad} _____

Geedi _____

Wacays _____

Xaawa _____

Hawlgalka-10

Tartamayaasha orodka ka hore ilaa ka danbe iyaga oo ku kale soocaya midabka garanka ay gashan yihiin tiro-kaalineed iyaga oo adeegsanaya ha sheegaan tartanka ka kaalinta kowood labaad IWM noqday. Matalan ka garanka hurdiga gashan wuxuu mutaystay kaalinta koowaad.

Laylis-II

Biyo dhansiga kuwa safka ugu jira midkasta kaalinta uu safka kaga jiro magaacdooda ha ku ag qoraan.

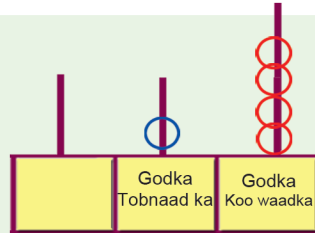


9.4 Qiima-rugeedka Tirooyinka Idil ilaa 100

Hawlgalka-11

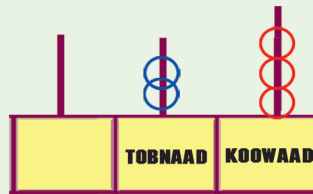
Abaakaka

14



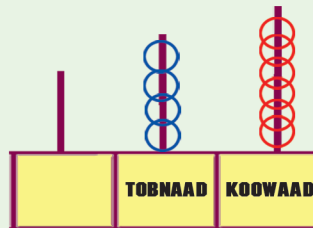
GODKA TOBNAAD KA	GODKA KOO WAADKA
1	4

23



TOBNAAD	KOOWAAD
2	3

47



TOBNAAD	KOOWAAD
4	7

habka Fidinta tirooyinka

$$25 = 2 \times 10 + 5$$

$$96 = 9 \times 10 + 6$$

TIRO	TOBNAAD	KOOWAAD
25	2	5
96	9	6

Laylis - 12

TIRO	TOBNAAD	KOOWAAD
75	7	5
69		
44		
86		

Hawlgalka-11

Ha fahmaan in godka koowaadka iyo godka tobnaadka ee tirooyinka lagu muujin karo qalabka abaaakaska ama habka fidin ku qorista tirooyinka.

Laylis-12

Iyaga oo adeegsanaya abaaakas ama habka tiro fidinta ee tirooyinka loo qoro tirada la siiyay astirooyinkeeda ha ku kala meeleeaan godka koowaadka iyo godka tobnaadka

CUTUBKA 10^{aad}

LACAGTEENA ITOOBIYA



10.1 Lacagta qadaadiicda (saantiimyadaa) iyo birrka lacagta noodhyada (wara qodaha) ah ee Itoobiya

Hawlgalka- 1























Hawlgalka -1 Sida tusaalaaha lagu tusaay ha isku aadiyaan.






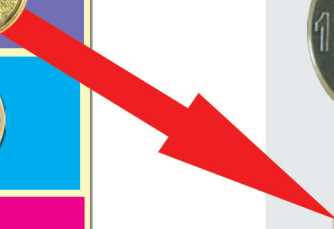























10.2 Xidhiidhka ka dhexeeya Saantiimada iyo Birrka

Laylis - 1

 +  = 15 S  +  = _____ S  +  = _____ S  +  = _____ S	 +  +  = _____ S  +  +  +  = _____ S  +  +  +  +  = _____ S
---	---

Laylis - 2

Laylis - 1

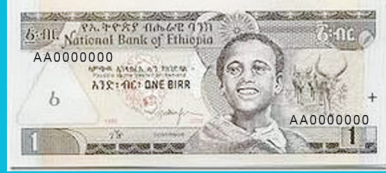
meelaha bannaan ka buuxiya wadarta senaatiimta

Laylis - 2

isku aadiya kuwa qiima hoodu isle eg yahay
(isku aadiya kuwa isku sarritma)



Hawlgalka- 2



Hawlgalka-2 Sheega magacyada noodhyada birrka.



Laylis – 3

Hibo



Khadar



Axmad

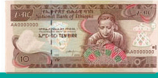


Ismaaciil



Laylis-3

Ismaaciil imisa saantiim ayuu haystaa
 50 saantiimoo qudhaata ayaa haysta?
 Nooca 5 saantiim oo badan ayaa haysta
 25 saantiim badan ayaa haysta? ?
 Ayaan haysan nooca qadaadiic 10 saantiim ah?
 Ayaa leh 1 birr oo qadaadiic ah?



Laylis – 4



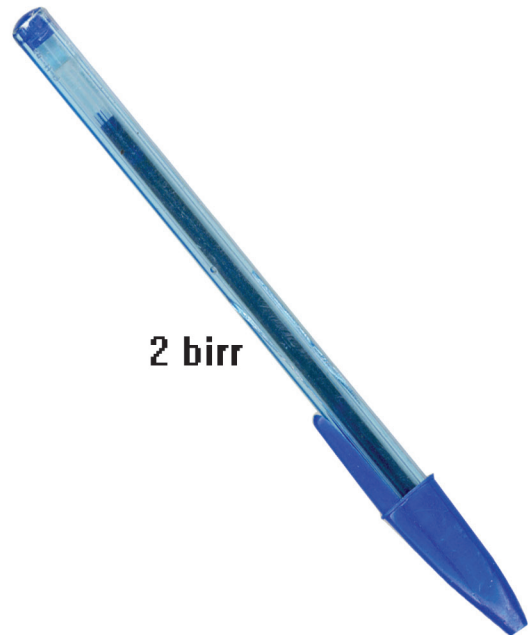
5 birr



2 birr



1 birr



2 birr



4 birr



50 saa

Laylis-4

Hal buug iyo hal qalin qori imisa birr ayaa lagu iibsadaa?
3 buug iyo 2 qalinbiig qiimahoodu waa imisa?

CUTUBKA 11aad

WAQTIGA (AMINTA)



11.1 Maalinta

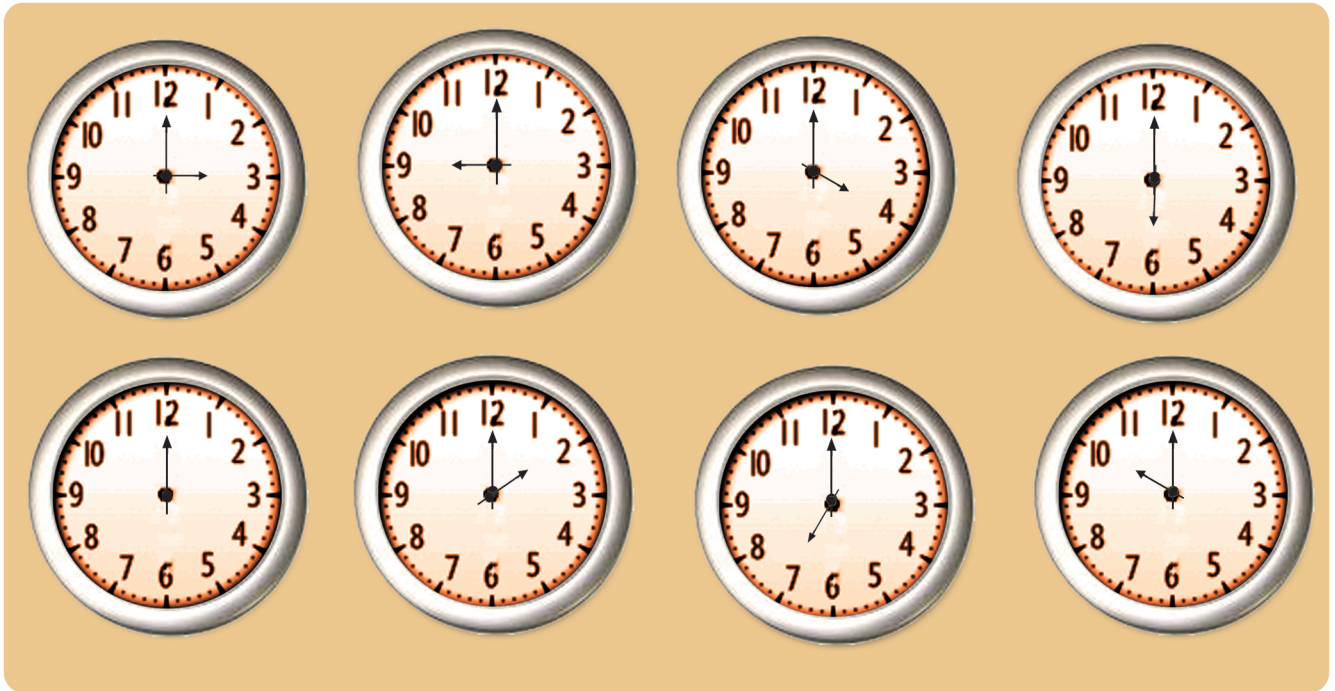
Hawlgalka – 1



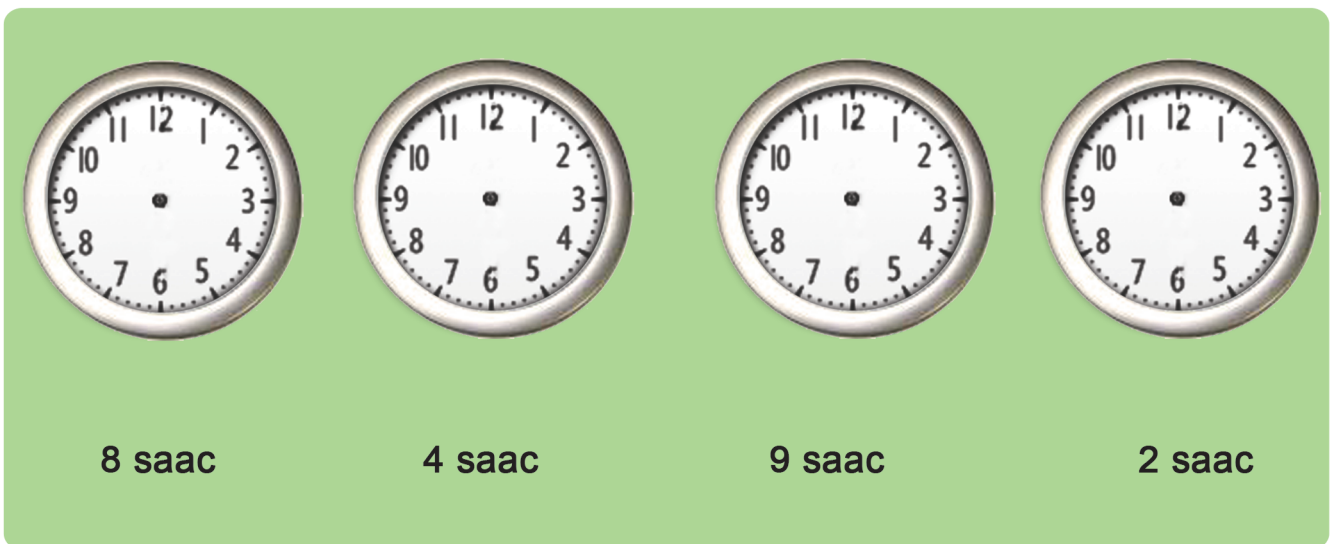
Hawlgalka-1 Sawirada eega oo sheega maalinta dhexdeeda waqtiga ay tahay (subax(aroor),duhur, casar,fiid habeen)



Laylis – 1



Laylis – 2



Laylis-1

Sheega saacadu waqtiga ay tilmaamayso.

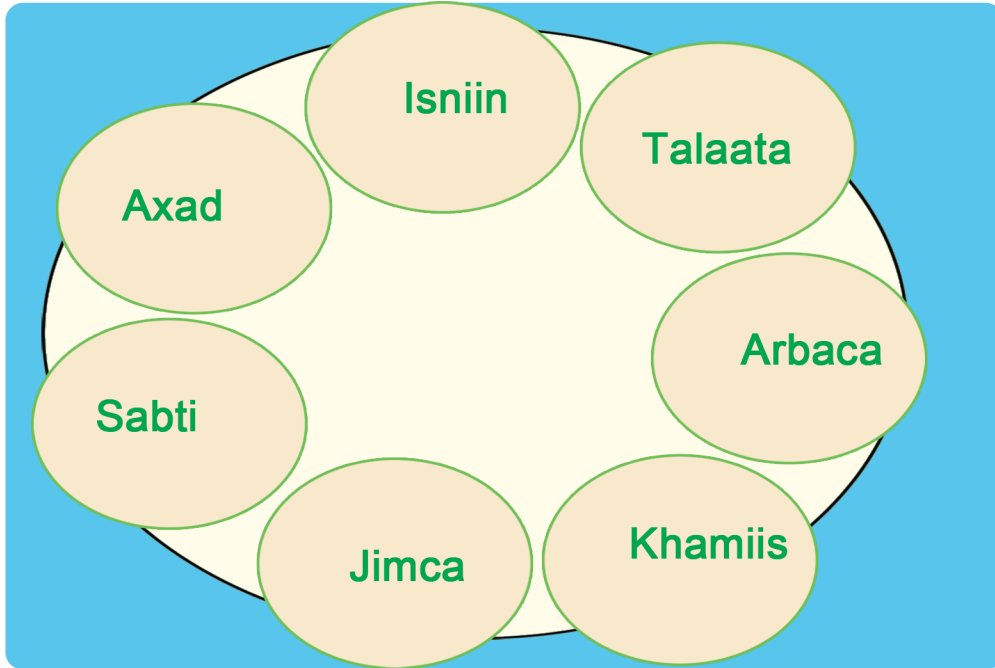
Laylis 2

Saacadaha inta ad sawirtiin idinka oo saacadaha u samaynaya gacmaha saacad tiriso iyo daqiiqa tiriso sawirka ku tilmaama inta saac ay tahay.

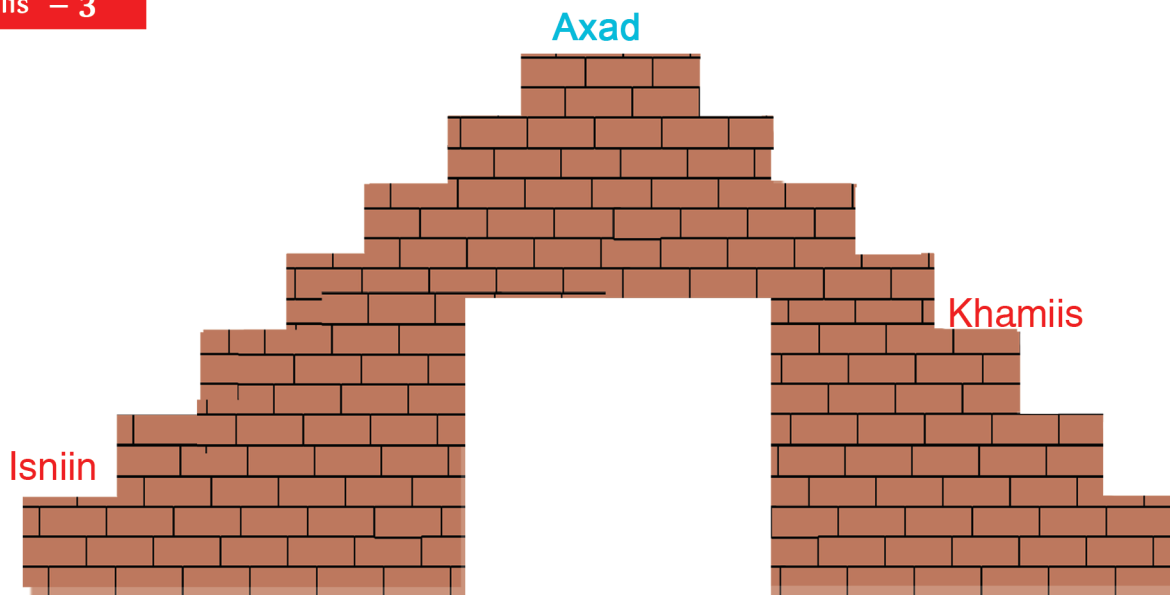


11.2 Maalmaha toddoobaadka

Hawlgalka – 2



Laylis – 3



Hawlgalka-2

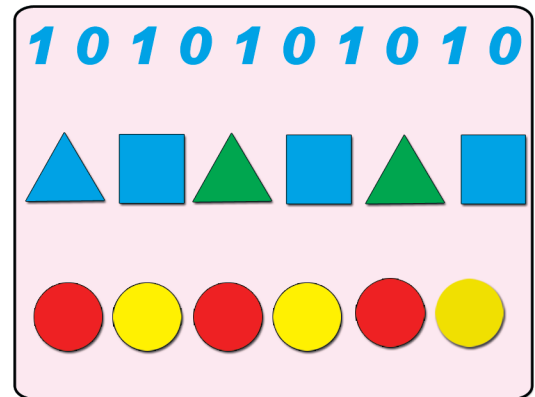
Toddobaadka maalinta waxbarashada dugsiiga ee u horaysa waa maalintee. Maalmaha fasuxuse waa maalmaha?

Laylis -3

Jaranjarada maal maha toddoobaadka sida ay ukala horeeyaan ku buuxiya.

CUTUBKA 12^{aad}

URURINTA IYO HABAYNTA XOGAHA



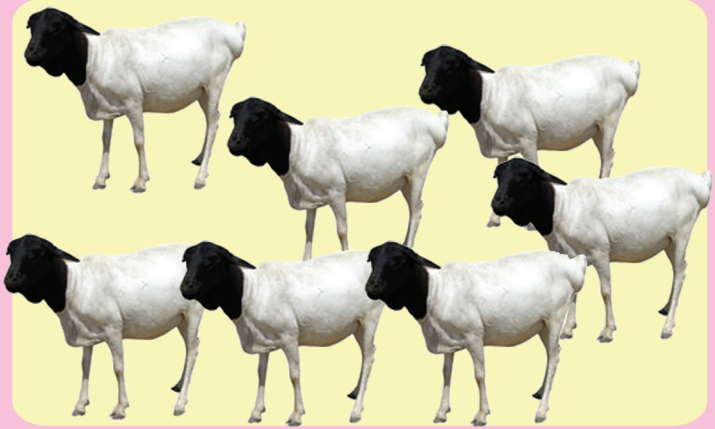
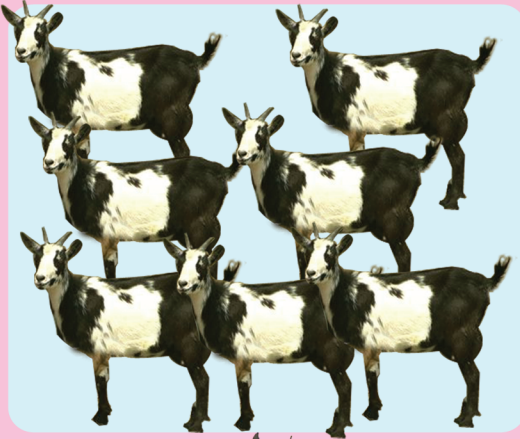
12.1 Garaafyada fudud





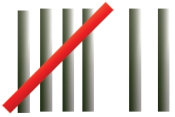
Hawlgalka- 1



Hawlgalka-1 Sawirada iyaga oo adeegsanaya ha cadeeyaan (sharraxaan).
Jawiga maalmeed iyaga oo ku sheega ya.
Cadceed, cadceed iyo dhado iskujir ah, dhado.
Maalin rooban.

Hawlgalka -2

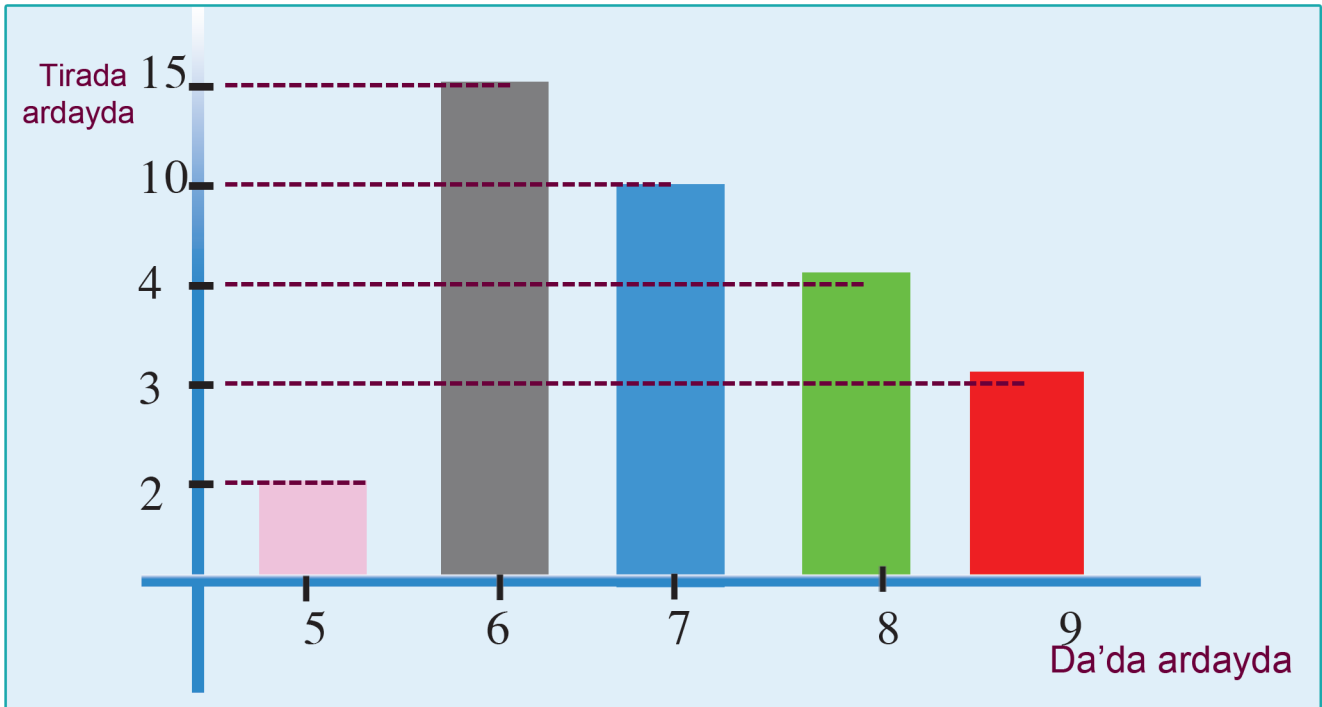


	 Riyo	 Ido	 Fardo	 Lo'
Xariiq ku muujinta tirada				
Astiro ku muujinta tirada.	7			

Hawlgalka-2 Tirada xayawaanada ha ku cadeeyaan xariiqyo Iyo astiro.

10 100 1000 10000 100000 1000000 10000000

Hawlgalka- 3 Garaaf sawir tusaya Tirada ardayda fasalka koowaad.
Tirada ardayda



Da'	5	6	7	8	9
Tirada oo xariiqyo lagu muujiyay					
Tirada oo astiro lagu muujiyay					

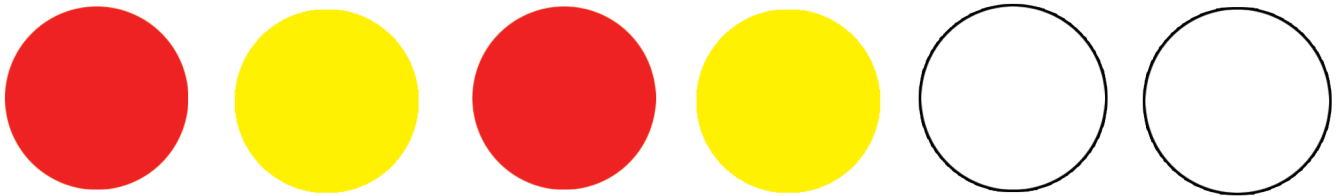
Hawlgalka-3 Tirada ardayda ee isku d'ada ah. Ha ku muuj'yaan xariiqyo iyo astiro

12.2 HABAYNTA XOGAHA XISAABTA AH

Hawlgalka- 4 Shaqo qindi (laba laba) looga shaqaynayo

1, 0, 1, 0, 1, 0, 1, 0 _____

2, 4, 6, _____



1, 3, 5, _____

3, 6, 9, _____



Hawlgalka-4 Ha dhamaystiraan xogo xisaabyo habaysan oo la bilaabay.