



JAMHURIADDA DIMOQRADIGA SOMALIYA

WASAARADDA WAXBARASHADA

IYO BARBAARINTA

XISAABTA DUGSIYADA HOOSE

BUUGGA AFARAAD

PJ
2534
A2
X563
1772
v.4

WAXA QORAY: GUDDIGA AF SOMALIGA


MUQDISHO 1972

4143

FURAHA SUMMADAHA

sida loo dhigo

sida loo akhriyo

+	Sumadda isugeynta	iyoo waa
-	» kalagoynta	la
X	» iskudhufashada	goor
÷	» isuqeybinta	qayb
()	» hormo	hormo ku jirta
=	» is la'eg	
<	» ka badan	
>	» ka yar	
	» kiilo	
Rodh	» rodol	
wiq	» wiiqiyad	
sac	» saacad	
mir	» mirir	
m.	» mitir	
sm.	» sentimitir	
 sm ²	» sentimitir afar gees leh.	

BUUGGA AFARAAD QAYBTA HORE

Layli ku saabsan sida tirada loo qoro.

Qorista rugta tiradu ka kooban tahay waxa weeyaan

(1, 2, 3, 4, 5, 6, 7, 8, 9, 0).

4, 6 7 5 — : 4,000 + 600 + 70 + 5

4 waxa weeyaan 4,000 . 4 rugta kumaadka ee ku taal

6 waxa weeyaan 600 . 6 rugta boqlaadka ee ku taal

7 waxa weeyaan 70 . 7 rugta tobnaadka ee ku taal

5 waxa weeyaan 5 . 5 kowaadka ee ku taal

Summadda (,) hoose waxay kala soocaysaa rugta kumaadka iyo boqlaadka si deg deg loogu akhriyi karo.

28 waxa weeyaan 2 tobnaad iyo 8 kowaad

82 waxa weeyaan 8 tobnaad iyo 2 kowaad.

Xusuusnow:-

Tiro walba, kolba rugtay ku taal bay qiimaheeda leedahay.

8 ku taal 82, toban goor buu qiima le'eg yahay 8 ku taal 28.

$$8 \times 10 = 80$$

$$4, 4 4 4 = 4,000 + 400 + 40 + 4$$

Rugta kowaadka	4	ku taal oo waa	4
Rugta tobnaadka	4	ku taal oo waa	40
Rugta boqlaadka	4	ku taal oo waa	400
Rugta kumaadka	4	ku taal oo waa	4,000

Ogsoonow:-

Inay tira waliba tan xagga midig ka xigta
10 goor le'eg tahay.

- 4 waxa weeyaan 4 kowaad
- 4 tobnaad waa 40.4 kowaadka ku yaal 10 tobankeed waa 40
- 4 boqlaad waa 400.40 tobnaadka ku yaal 10 tobankeed waa 400
- 4 kowaad waa 4000 4 boqlaad ku taal 10 tobankeed waa 4,000

4 X 1 = 4
4 X 10 = 40
40 X 10 = 400
40 X 100 = 4,000

Buuxi meelaha maran, adigoo raacaya tilmaamaha lagu siiyey:

- a) 10 kowaad waxa weeyaan meel toban ah
- b) 10 tobnaad waxa weeyaan, meel _____
- c) 10 boqolaad waxa weeyaan _____
- d) 10 kumaad waxa weeyaan meel toban kun ah _____
- e) 10 toban kumaad waxa weeyaan meel _____
- f) 10 boqol kumaad waxa weeyaan meel _____
 $10 \times 10 \times 10 \times 10 \times 10 \times 10 \times 10 = 100 \times 100 \times 100 = 1,000,000$
1,000,000 = hal milyan.

Hal milyan wuxuu ka kooban yahay «toddoba»
Rugood. I waxa xagga midig ka raacaya «lix eber»

2, 4, 3, 5, 6, 387 = 2.000 + 435, 5.000 + 600 + 80 + 7
sida loo yiraahdaa, waxay u dhowdahay sida ay u dhigan
tahay isu geyntan sare.

Sida tiradan loo yiraahaa, 435, 687 :

2 milyan, 4 boqol iyo soddon iyo shan kun, lix boqol iyo
siddeedan iyo 7.

2, 435, 687 xisaab ahaan waxa weeyaan	2.000.000
	400.000
	30.000
	5.000
	600
	80
	7

	2.435.687

1. Toddobadan rugood ee isku dhinac taal, ka qor tira-
da ugu badan iyo ta ugu yar.

	tan ugu badan	tan ugu yar
a) 3290176	-----,	-----
b) 8214397	-----,	-----
c) 7864323	-----,	-----

2. Haddii warshadda caanuhu saacaddii 1000 dhalo
mayri karto.

Immisa saacadood bay ku mayri kartaa:

- a) 10 kun oo dhalo?
- b) 100 kun oo dhalo?
- c) hal milyaan oo dhalo?

3. Haddii warshedda caanuhu buuxin karto 1000 litir oo caana ah saacaddii immisa saacadood bay ku buuxin kartaa:

- a) 200,000 litir oo caana ah?
- b) 2,000,000 litir oo caana ah?

4. Haddii qof walba oo ka tirsan 5 milyan ee Somalida deggan Jamhuriyadda damco inuu bixiyo 10 shilin, si loo dhimo miisaaniyadda ummadda Somaliyeed, Immisa milyan oo shilin baa ka dhinmaysa miisaaniyadda ummadda Somaliyeed?

5. Haddii warshedda dharka sameyneyso 100 mitir toddobaadkii, immisa toddobaad bay ku sameyneysaa?

- a) 10 kun oo mitir _____
- b) 100 kun oo mitir. _____
- c) hal milyaan oo mitir _____

6. Tiradee ku xigta ee hal ka yar tiradan hoos ku qoran:

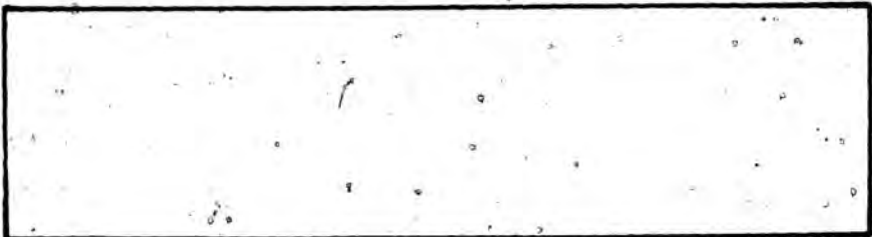
Tilmaan 9 < 10 . 9 waa tiro hal ka yar 10

----- < 1,000,000

7. Tiradee 154,000 ka badan 845,000?

8. Isu gee	45,698	9.	923
	48,578		45
	+98,787		1,878
	7,654		2,903
	-----		-----

10. Warshedda hilibka baa ku sameysay 96,488 qasacadood oo hilib ah muddo saddex toddobaad ah. Haddii toddobaadka hore ay ku sameyso 33,213 qasacadood oo hilib ha, Kan ku xigana ay ku sameyso 45,211 qasacadood oo hilib ah, Immisa qasacadood oo hilib ah ayaa warshaddu ku sameyn kartaa toddobaadka saddexaad?



MITIRKA

Mitirka dalkeenna dharka iyo dhulka baa lagu qiyaasa ama lagu cabira.

Mitirka marka loo qaybiyo 100 meelood oo isle'eg, meeshi walba waxay tahay hal sentimitir (Erayga senti waa laatin oo waxa weeyaan boqol).

Sida gaaban ee loo qori karaa mitirka waa (m.), sentimitirkana waa (sm.).

Buuxi meelaha maran.

2.75 m.	waxa weeyaan	2 m.	iyo	75 sm.
4.15 m.	waxa weeyaan	— m.	iyo	— sm.
23.05 m.	waxa weeyaan	— m.	iyo	— sm.
14.60 m.	waxa weeyaan	— m.	iyo	— sm.
9.85 m.	waxa weeyaan	— m.	iyo	— sm.
46.43 m.	waxa weeyaan	— m.	iyo	— sm.

«Dhibicda» dhexda ku taal waxay kala socaysaa mitirka iyo sentimitirka sidey u kala sooci jirtay shilinka iyo sentiga.

Haatanse waxannu oran karnaa dhibicda, waa dhibicdii jjabka «toban tobanka ah»

7	—	waxa loo qori karaa	0.7
10			
56			
2	—	waxa loo qori karaa	2.56
100			
6			
13	—	waxa loo qori karaa	13.06
100			

Xusuusnow:-

Inay dhibicdu jjabka toban tobanka ah kala soocayso tirada idil ee geesta bidix ka xigta iyo jjabka geesta midig ka xiga. Tilmaan 2.56 waxa loo akhriyaa laba idil iyo dhibic shan, lix.

Isugeynta iyo kala goynta jajakka toban tobanka:

Xusuuso in laysku beegaayo **dhibicda jajakka toban tobanka**, marka xisaabfalka isugeynta iyo kala goynta la raadcayaayo.

Tilmaan:-

$$\begin{array}{r} \text{Isu gee } 2.75 + 13.09 + 45.96 \\ 2.75 \\ 13.09 \\ 45.96 \\ \hline 61.80 \end{array}$$

Tilmaan:-

$$\begin{array}{r} \text{Kala goo } 75.68 - 42.87 \\ 75.68 \\ - 42.87 \\ \hline 42.78 \end{array}$$

1. Raadi wadarta shilin Somaliga ah.
Sh. So. 27.85 + 109.15 + 260.70 + 247.15.
2. Xawo ayaa doontay inay iibsato buug, iyo qalin iyo cambuur. Hadday qiimahoodu sidan ay u kala horreeyaan yihiin So. Sh. 3.60, So. Sh. 1.20, 17.65.
yaan yihiin So. Sh. 3.60, So. Sh. 1.20, 17.65.

Immisay siisatay saddexda waxyaalood?

3. Qori baa dhererkiisu ahaa 12.24 mitir haddii laga gooyo 7.65 mitir. Immisa mitir baa soo haray?

12.24 m.



7.56

(Xusuusnow isweydaarinta

$T + 7.56 = 12.24$ isugeynta iyo ka'agoynta)

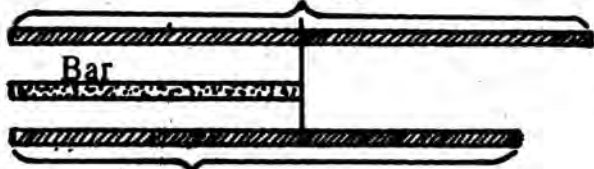
Sidaa ahanteed $T = 12.24 - 7.56 = \text{-----}$

4. Qori baa dhererkiisu ahaa 10 mitir.

U fiirso sawirka hoose.

Waa immisa mitir dhererka inta lagu weydiiyay, haddii la gooyo 3 mitir.

10 m.



T

$T = \text{-----}$

2.57

5. $2 \frac{2.57}{100}$ jajabka tobnaadka ah waa ka immisa?-----

6. Haddii $275 - 100$ waxa kuu'oo baxaya

75 2.75

$2 \frac{\quad}{100} = \text{-----}$

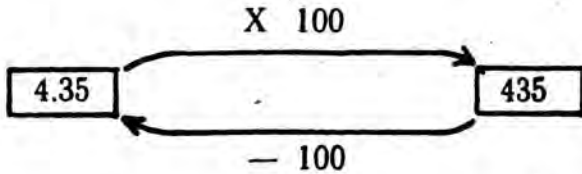
100

- a) $435 \div 100 = \text{-----}$
 b) $507 \div 100 = \text{-----}$
 c) $143 \div 10 = \text{-----}$
 d) $5689 \div 1000 = \text{-----}$

Xusuusnow:-

inay kolba inta eber ee hal (1) raacsan qaybiyaha in le'eg loo dhaqaajiyo xagga bidix dhibicda jajabka tobnaadka.

7. Iskudhufashada iyo isuqaybintu waa iswaydaar, si-daynu hore u soo barannay.



100 qeri oo kii walba dhererikisu yahay 4.35 m. Immisa mitir weeyaan haddii lays daba dhigo?

Isku dhufo

- a) $3.75 \times 100 = \text{-----} \text{ m.}$
b) $3.75 \times 10 = \text{-----} \text{ m.}$
c) $5.072 \times 100 = \text{-----} \text{ m.}$

Xusuusnow:-

Inay kolba inta eber ee hal (1) raacsan in le'eg dhibicda jajabka tobnaadka loo dhaqajiyay xagga midig.

8. Isu gee $7.16. + 9.04 + 14.29 = \text{-----}$
9. Isu gee $67.2 + 84.305 + 39.02 = \text{-----}$
10. kala goo $624.2 - 38.9 = \text{-----}$

Jajabka toban tobanka ah iyo rugtooda

134.56

Cali baa weyddiiyey Cumar sida loo yiraa tiradan xagga sare ku taal. Cumar baa yiri waxa weeyaan «boqol iyo soddon iyo afar, **dhibic, shan, lix**».

Cali baa yiri «**dhibicda jajabka tobnaadku waxay kala soocdaa tiro idil iyo jajabka**».

Cumar baa yiri «**Haayoo, tiradan inta xagga bidix ka xigta dhibicda jajabka tobnaadka waxay ku tusaysaa inay tiro idil tahay; inta midigta xigtaana**

inay jajab tahay oo shanta iyo lixduba ay $\frac{56}{100}$ yihiin

0.56 «dhibic shan lix».

Sidee loo yiraahdaa tirooyinkan jajabka tobnaadka. Kaddibna qor.

- 1) 35.54 _____
- 2) 405.03 _____
- 3) 16.75 _____
- 4) 17.367 _____
- 5) 1111.11 _____

U fiirso oo dhig tirada ku habboon ee meesheedu maran tahay .

6	2.8	2.9	3.0	---	---	3.3
7	13.56	13.57	13.58	---	---	---
8	4.56	4.33	4.34	---	---	4.37
9	1.021	---	2.23	2.24	---	2.25
10	0.2	---	0.4	0.5	---	---

U dhig jjabka iskor yaal sida jjabka toban tobanku yahay.

11. $94 \frac{13}{100} = \text{-----}$ 16. $5 \frac{9}{10} = \text{-----}$

12. $\frac{61}{100} = \text{-----}$ 17. $8 \frac{75}{100} = \text{-----}$

13. $17 \frac{89}{1000} = \text{-----}$ 18. $1 \frac{1}{1000} = \text{-----}$

14. $17 \frac{19}{1000} = \text{-----}$ 19. $\frac{33}{10} = \text{-----}$

15. $3 \frac{3}{100} = \text{-----}$ 20. $\frac{456}{1000} = \text{-----}$

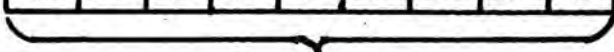
JABABKA ISLE'EG

Fadumo baa tiri haddii aan haysto jabjab $\frac{3}{4}$ oo dam-

co inaan u rogo tirada hoose 12 (laba iyo toban), wa-
xa marka hore ka fikiri inay waax $\frac{1}{4}$ tahay $\frac{1}{12}$ (sidaa

lagu ku muujiyay sawirka hoose). $\frac{3}{4} = \frac{9}{12}$

M I D												I D I L		
$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$			$\frac{1}{4}$					
$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$	$\frac{1}{12}$			



 $\frac{3}{4}$

$$\frac{3}{4} = \frac{9}{12}$$

1. Adigoo ka fiirsanaya sida Fadumo u raadisay

$$\frac{3}{4} = \frac{9}{12}$$

U rog $\frac{2}{3}$ jabbab le'eg oo tiradiisa hoose 6 tahay.

Marka u fiirso inay $\frac{1}{3} = \frac{2}{6}$ sida ahaanteed

$$\frac{2}{3} = \frac{\quad}{6}$$

2. $\frac{4}{5}$ jabbabkee le'eg tahay oo tiradilsa hoose 10 tahay?

U fiirso inay $\frac{1}{5} = \frac{2}{10}$ sida ahaanteed. $\frac{4}{5} = \frac{\quad}{10}$

3. $\frac{4}{5}$ jabbabkee le'eg tahay oo tiradiisa hoose ay 16

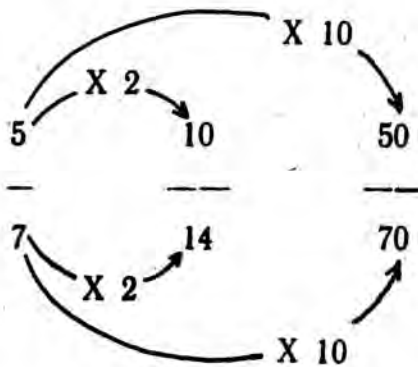
tahay?

U fiirso inay $\frac{1}{4} = \frac{4}{16}$ sida ahaanteed. $\frac{3}{4} = \frac{\quad}{16}$

4. Canood baa tiri «jajabka» $\frac{3}{4}$ — ma leekaannaya jajab-

Yada ka soo bixi doona, haddii aan ku dhufanno tiradiisa sare iyo tiisa hooseba (a) 6? (b) 8? (c) 10?
 (a) ————— (b) ————— (c) —————

5. Run baa tiri, «jajab waa loo rogi karaa jajab le'eg haddii tiradiisa sare iyo tiisa Hooseba tiro isle'eg lagu dhufto (oon eber ahayn).



X	0	1	2	3	4	5	6	7	8	9	10
5			10								50
7			14								70

Tirada sare iyo geesta bidix ku taal isku dhufo oo tarantood godkay isugu yimaadan ku dhig.

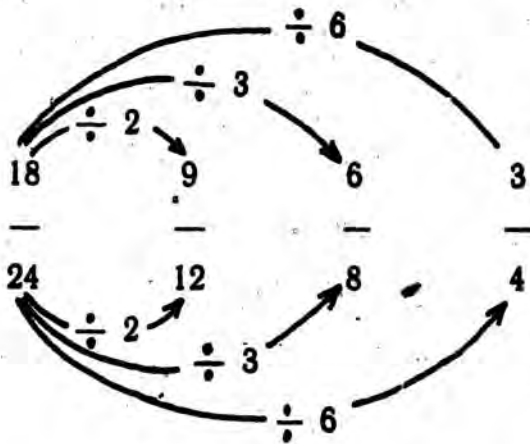
Tilmaanta sare raac oo muuji inay sida Run sheegtay run tahay?

6. Warfa baa yiri «jabjabka» $\frac{18}{24}$ — ma le'ekaanayaa ja jabyada ka soo bixi doona

haddii aan u qaybinno tiradiisa sare iyo tiisa hooseba (a) 2? (b) 3? (c) 6?

a) ————— b) ————— c) —————

7. Maxamad baa yiri «jajabka waa loo rogi karaa jajab le'eg marka tiradiisa sare iyo tiisa hooseba tiro isle'eg loo qaybiyo (oo aan eber ahayn).



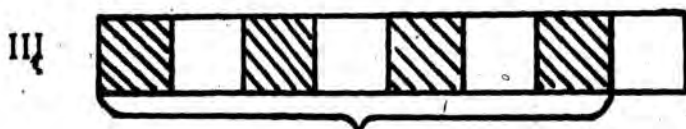
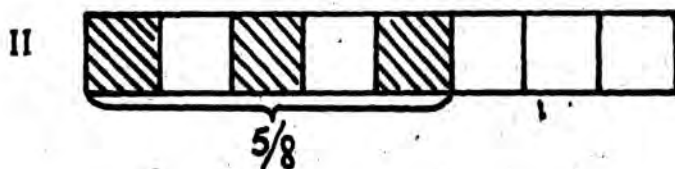
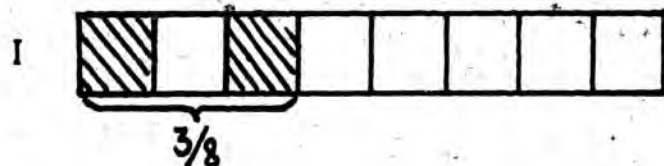
Adigoo raacaya siduu Maxamed u raadiyay tilmaanta sare, buuxi meelaha maran.

$$\frac{24}{32} = \frac{\quad}{16} = \frac{\quad}{8} = \frac{3}{\quad}$$

Ku muuji summadda way is le'eg yihiin (=) ama ma is le'eka (=). Laba jajab goobada u dhaxaysa dhexdooda.

8. $\frac{1}{2} \bigcirc \frac{8}{16}$, 9. $\frac{1}{3} \bigcirc \frac{4}{12}$ 10. $\frac{3}{8} \bigcirc \frac{6}{16}$
 11. $\frac{1}{5} \bigcirc \frac{4}{20}$ 12. $\frac{7}{8} \bigcirc \frac{15}{16}$ 13. $\frac{5}{3} \bigcirc \frac{10}{16}$
 14. $\frac{8}{12} \bigcirc \frac{2}{3}$ 15. $\frac{2}{3} \bigcirc \frac{18}{24}$

Meel dhan



$$\frac{3}{8} + \frac{5}{8} + \frac{7}{8} = \frac{3+5+7}{8} = \frac{15}{8} = 1 + \frac{7}{8}$$

(1) Siddeed dalool saddex dalool ee sawirka (II) ku jira markaad u geyso siddeed meelood shan ee sawirka (III) ku jira waxay isku noqdaan «meel

dhan». Mar $1 + \frac{7}{8} = 1\frac{7}{8}$

Xususnow:-

Inay jajibka tiradiisa hoose is le'eg laysku geynayo tirooyinkiisa sare oo loo qaybinayo tirada hoose.

Meelaha maran buuxi

16. $\frac{5}{8} = \frac{\square}{12}$

17. $\frac{7}{8} = \frac{\square}{16}$

18. $\frac{5}{6} = \frac{\square}{12}$

19. $\frac{5}{4} = \frac{\square}{20}$

20. $\frac{8}{10} = \frac{\square}{5}$

21. $\frac{3}{4} = \frac{\square}{32}$

22. $\frac{4}{8} = \frac{\square}{2}$

23. $\frac{8}{16} = \frac{\square}{2}$

24. $\frac{10}{16} = \frac{\square}{8}$

25. $\frac{12}{16} = \frac{\square}{4}$

Isugeynta iyo kala goynta jjabka tiradiisa hoose isku mid tahay.

Tilmaan: $\frac{3}{8} + \frac{5}{8} + \frac{7}{8}$

Adigo raacaya tilmaantan sare isu gee jabjabyadan oo raadi wadartooda.

1. $\frac{2}{3} + \frac{2}{3} = \frac{2+2}{3} = \frac{\quad}{3}$

2. $\frac{3}{4} + \frac{3}{4} = \frac{\quad}{4} = \frac{\quad}{4} = \frac{\quad}{4}$

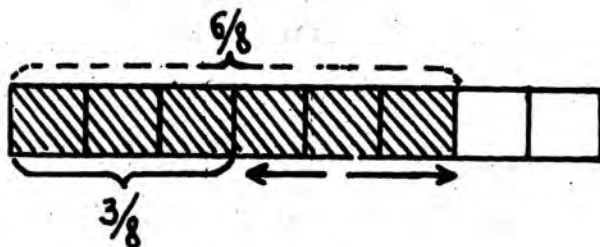
3. $\frac{5}{8} + \frac{7}{8} = \frac{\quad}{8} = \frac{\quad}{8} = \frac{\quad}{8}$

4. $\frac{5}{6} + \frac{4}{6} = \frac{\quad}{6} = \frac{\quad}{6} = \frac{\quad}{6}$

5. $\frac{9}{10} + \frac{7}{10} = \frac{\quad}{10} = \frac{\quad}{10} = \frac{\quad}{10}$

Tilmaantan raac oo kala goo jabjabyadan.

$$\frac{6}{8} - \frac{3}{8} = \frac{6-3}{8} = \frac{3}{8}$$



$$T + \frac{3}{8} = \frac{6}{8}$$

$$T = \frac{6}{8} - \frac{3}{8} = \frac{6-3}{8} = \frac{3}{8}$$

Xusuusnow:-

Kalagoynta laba jajab oo tiradooda hoose isle'eg tahay kala goo labada tiro ee sare oo hoosteeda ku dhig tirada hoose.

7. $\frac{9}{10} - \frac{5}{10} = \frac{9-5}{10} = \underline{\hspace{2cm}}$

8. $\frac{11}{12} - \frac{4}{12} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

9. $\frac{15}{16} - \frac{8}{16} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

10. $\frac{5}{7} - \frac{2}{7} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$

Isugeynta iyo kalagoynta «tiro isku dhafan» ee ja-
jabka raacsani tiradooda hoose isku eg yihiin $2\frac{7}{8}$

waxaa weeyaan tiro isku dhafan labadu waa tiro
Idil.

$\frac{7}{8}$ waa jajab qumman. Marka $2\frac{7}{8}$ macnaheedu waa

$2 + \frac{7}{8}$ oo summadda isugeynta ayaa laysku dhafay,

sidaa ahaanteed ayaa loogu magacaabay «tiro isku
dhafan».

Tilmaan:-

$$\text{Isu geynta } 1\frac{7}{8} + 2\frac{2}{8} = 1 + 2\frac{7}{8} + \frac{2}{8}$$

$$= 3\frac{7+2}{8}$$

$$= 3\frac{9}{8}$$

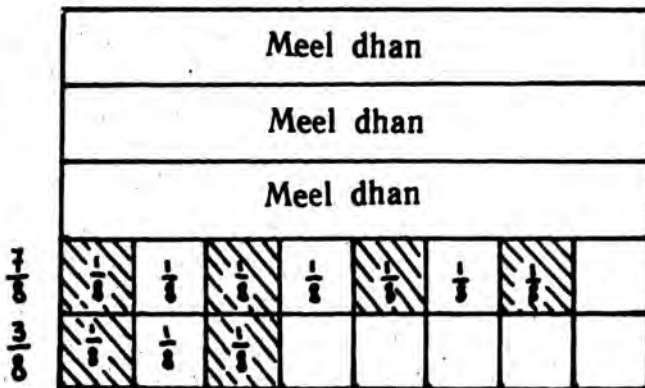
$$= 4\frac{1}{8}$$

Ogsoonow:-

Ina laysku geeyay tirooyinka idil 1 iyo
 $2 = 1 + 2 = 3$. Jajabka waxa ka soo baxaya 1 iyo

$$\frac{1}{8} = 1 \frac{1}{8}$$

$$\text{Markaa } 3 + 1 + 1 + \frac{1}{8} = 4 \frac{1}{8}$$



$$\frac{7}{8} + \frac{2}{8} = \frac{9}{8} = 1 \frac{1}{8}$$

Isu gee jajabkan oo wadartooda ku garab qor adi-
goo maankaaga la kaashanaya :

$$7. 5\frac{1}{2} + 1\frac{1}{2} =$$

$$15. 1\frac{3}{5} + 5\frac{3}{5} =$$

$$8. 2\frac{3}{4} + 1\frac{3}{4} =$$

$$16. 6\frac{1}{2} + 2\frac{3}{4} =$$

$$9. 1\frac{1}{8} + 3\frac{7}{8} =$$

$$17. 2\frac{1}{5} + \frac{7}{10} =$$

$$10. 1\frac{1}{2} + 1\frac{11}{12} =$$

$$18. 3\frac{3}{8} + 2\frac{1}{2} =$$

$$11. 3\frac{1}{2} + 3\frac{5}{10} =$$

$$19. 3\frac{5}{8} + 7\frac{5}{8} =$$

$$12. 7\frac{2}{5} + \frac{7}{10} =$$

$$20. 2\frac{4}{5} + 2\frac{4}{5} =$$

$$13. 2\frac{3}{4} + 3\frac{3}{8} =$$

$$21. 2\frac{11}{12} + 1\frac{5}{6} =$$

$$14. 2\frac{3}{4} + 1\frac{5}{8} =$$

$$22. 7\frac{1}{2} + 1\frac{3}{4} =$$

Kala goo.

$$23. \quad 3 - 1\frac{1}{2} =$$

$$29. \quad 6\frac{1}{8} - \frac{1}{8} =$$

$$24. \quad 3 - \frac{3}{4} =$$

$$30. \quad 4\frac{3}{5} - \frac{1}{10} =$$

$$25. \quad 8\frac{7}{8} - 1\frac{4}{8} =$$

$$31. \quad 5\frac{1}{3} - \frac{3}{12} =$$

$$26. \quad 3\frac{1}{3} - 1\frac{1}{6} =$$

$$32. \quad 3\frac{2}{3} - 2\frac{1}{2} =$$

$$27. \quad \frac{1}{4} - \frac{1}{8} =$$

$$33. \quad 6\frac{7}{12} - 3\frac{4}{12} =$$

$$28. \quad 2\frac{1}{2} - \frac{2}{4} =$$

$$34. \quad 3 - 1\frac{1}{4} =$$

Xaraf baa loo dhigan karaa meeshay tiro ka maqan tahay.
Xusuusnow:-

Iswaydaarinta ,isugeynta iyo kalagoynta.

Tilmaan 1.

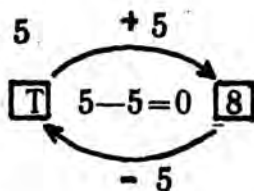
Tirammaa loo geeyaa 5 siday wadarta kaaga soo baxday ay 8 u noqoto.

$$\square + 5 = 8$$

meesha «afar geesku» yaallo, haddii la dhigo T

$$T + 5 = 8$$

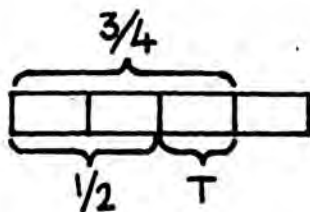
$$\begin{aligned} T &= 8 - 5 \\ T &= 3 \end{aligned}$$



Tilmaan 2.

Jajab ma loo gooyaa $\frac{1}{2}$ siday wadarta kaaga

soo baxdaa ay $\frac{3}{4}$ u noqoto.



$$\square + \frac{1}{2} = \frac{3}{4}$$

meesha \square «afar geesku yaallo», haddii la dhigo T

$$T + \frac{1}{2} = \frac{3}{4}$$

$$T = \frac{3}{4} - \frac{1}{2} \quad T = \frac{1}{4}$$

Tilmaan 3.

Jababkee laga gooyay $\frac{1}{4}$ oo haraaga kuu soo ha-

raa yahay $\frac{1}{2}$?

Xusuusnow:-

Haddii $8 - 3 = 5$

8 waa tirada laga gooinayo

3 waa tirada la gooinayo

5 waa «Haraaga» oo baxay.

Tan la gooyay iyo haraaga marka laysku daro waxay isku noqdaan intay tahay tirada laga gooinayaa.

$$8 = 5 + 3$$

$$\square - \frac{1}{4} = \frac{1}{2}$$

meesha \square «afar geesku yaallo», haddii la dhigo

$$T - \frac{1}{4} = \frac{1}{2}$$

$$T = \frac{1}{2} + \frac{1}{4}$$

$$T = \frac{3}{4}$$

$$1. \quad T + \frac{1}{4} = \frac{3}{4}$$

$$T = \frac{3}{4} - \frac{1}{4}$$

$$T = \frac{2}{4}$$

$$2. \quad T - \frac{5}{8} = \frac{1}{8}$$

$$T = \frac{1}{8} + \frac{5}{8}$$

$$T = \frac{6}{8}$$

$$3. T + \frac{1}{3} = \frac{5}{6}$$

$$4. T - \frac{2}{3} = \frac{1}{3}$$

$$5. T + \frac{3}{8} = \frac{7}{8}$$

$$6. T + \frac{3}{12} = \frac{7}{12}$$

$$7. N - \frac{1}{2} = \frac{1}{3}$$

$$8. T + \frac{5}{8} = \frac{6}{8}$$

$$9. N + \frac{1}{3} = 3$$

$$10. T - \frac{5}{6} = 1\frac{2}{3}$$

$$11. T - \frac{5}{6} = 1\frac{1}{12}$$

$$12. T + 2\frac{1}{3} = 4\frac{2}{3}$$

$$13. T - \frac{2}{3} = 2\frac{1}{2}$$

$$14. T + \frac{11}{12} = 1\frac{5}{6}$$

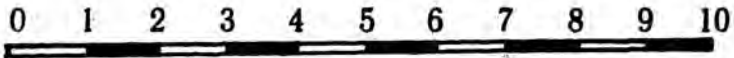
$$15. T + \frac{3}{4} = 0$$

$$16. T - 2\frac{5}{8} = \frac{3}{8}$$

$$17. T - \frac{1}{2} = 0$$

$$18. T + \frac{5}{8} = 2\frac{3}{8}$$

HAL MITIR waxa weeyaan 100 sentimitir.



Xarriiqdan dherekeedu yahay 10 sm.

Immisuu ka yahay dherekeedu «**JAABKA MITIRKA**» ?

Xusuusnow:-

Marka sentimitir loo rogaayo
JAABKA MITIRKA, inaa
WALXO wax **ISKU MID AH**
LAYSU qaybinayo
1 sentimitir

100 sm.

Jaab ahaan dhererka xarriiqdan 10 sm. ah, wuxuu dhererka mitirka ka yahay:

$$\frac{10 \text{ sm.}}{100 \text{ sm.}} = \frac{1 \text{ m.}}{10 \text{ m.}}$$

Marka jaabka tirada sare iyo tan hoose, tiro isle'eg loo qaybiyo waxa soo baxaya jaab kan hore le'eg. Xi-saabfalkan waxaa loo yaqaan «**ISKU JARJAR**»

ISKU JARJAR

$$\frac{\begin{array}{r} 1 \\ \cancel{8} \\ \cancel{16} \\ \hline 45 \\ \cancel{15} \\ 3 \end{array}}{3} = \frac{1}{3}$$

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15

Xarriqdan dhererkeedu yahay 15 mitir, immisuu dhererkeedu ka yahay «jajabka mitirka».

Tilmaan 2.

HAL MITIR = 100 SENTIMITIR

$$\frac{15 \text{ sm.}}{100 \text{ sm.}} = \frac{3}{20} \text{ Jawaab.}$$

Tilmaan 3.

SAACADDA waxa ku jira 60 MIRIR

(Sida gaaban ee loo qori karaa saacadda waa (saac)
sida gaaban ee loo qori karaa mirirka waa (mir)
15 mirir immisay ka yihiin «jajabka saacadda» ?

$$\frac{15 \text{ mir}}{60 \text{ mir}} = \frac{1}{4} \text{ saac jawaab}$$

1. 50 sentimitir, immisay ka yihiin «jajabka mitirka» ?

2. 75 sentimitir, immisay ka yihiin, «jajabka mitirka» ?

3. 80 sentimitir, immisay ka yihiin «jajabka mitirka»?

4. 30 mirir immisay ka yihiin «jajabka saacadda»?

5. 20 mirir immisay ka yihiin «jajabka saacadda»?

6. 45 mirir immisay ka yihiin «jajabka saacadda»?

7. 25 sentimitir, immisay ka yihiin «jajabka saacadda»?

Rodolku waxa weeyaan 16 wiqiyadood

(Sida gaaban ee loo qoraa rodolka waa rod wiqiyadana waa wiq).

8. Immisay «jajabka rodolka» ka tahay
(a) 8 wiiyadood ? (b) 10 wiiyadood.

9. Immisay «jajabka saacadda» ka tahay
(a) 48 mir (b) 35 mir.

10. Immisay «jajabka mitirka» ka tahay
(a) 45 sm. (b) 35 sm.

BUUXI MEELAHA MARAN

$\frac{16}{32} = \frac{2}{8} = \frac{1}{4}$	$\frac{18}{24} = \frac{6}{\square} = \frac{\square}{4} = \frac{9}{\square}$
$\frac{12}{48} = \frac{\square}{8} = \frac{\square}{4}$	$\frac{72}{108} = \frac{24}{\square} = \frac{\square}{27} = \frac{12}{\square}$
$\frac{24}{32} = \frac{6}{\square} = \frac{\square}{4}$	$\frac{36}{48} = \frac{6}{\square} = \frac{9}{\square} = \frac{\square}{4}$

ISUJARJARKA JAJABKA

Isu jarjar oo gaarsii jajabka ugu yar:

Tilmaan:-

$$\frac{10}{30} = \frac{1}{3}$$

1. $\frac{50}{100} = \text{-----}$

2. $\frac{15}{45} = \text{-----}$

3. $\frac{6}{8} = \text{-----}$

4. $\frac{24}{36} = \text{-----}$

5. $\frac{8}{16} = \text{-----}$

6. $\frac{7}{14} = \text{-----}$

7. $\frac{4}{6} = \text{-----}$

8. $\frac{14}{28} = \text{-----}$

9. $\frac{4}{8} = \text{-----}$

8. $\frac{21}{28} = \text{-----}$

11. $\frac{9}{12} = \text{-----}$

12. $\frac{8}{32} = \text{-----}$

13. $\frac{18}{24} = \text{-----}$

14. $\frac{9}{36} = \text{-----}$

15. $\frac{12}{48} = \text{-----}$

16. $\frac{17}{34} = \text{-----}$

17. $\frac{16}{48} = \text{-----}$

18. $\frac{12}{36} = \text{-----}$

19. $\frac{8}{10} = \text{-----}$

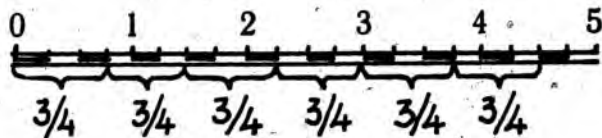
20. $\frac{12}{60} = \text{-----}$

1. Iskudhifashada tiro idil iyo jajab

Lix xarig buu kii walba dhererkiisu ahaa $\frac{3}{4}$ waar.

Immisa waar bay 6 xarig dhererkoodu isku noqona-yaan ?

TUSAALE



U fiirso sawirka sare. Immisa waar bay ku tusayaan inay dhererka 6 xarig yihiin ?

$$6 \times \frac{3}{4} = \frac{6 \times 3}{4} = \frac{18}{4} = 4 \frac{2}{4}$$

Dhererka 6 xarig waxay yihiin $4 \frac{3}{4}$

Yusuf baa yiri «saddex siyood baa loo shaqayn ka-
raa Faraxow»

$$\begin{aligned} \text{a) } 6 \times 3 \text{ waaxood} &= 18 \text{ waaxood} \\ &= 4 \text{ waar iyo } 2 \text{ waaxood} \\ &\quad 1 \\ &= 4 \frac{1}{2} \text{ waar} \end{aligned}$$

$$\text{b) } 66 \times \frac{3}{4} = \frac{18}{4} = 4 \frac{2}{4} = 4 \frac{1}{2}$$

$$\text{c) } 6 \times \frac{3}{4} = \frac{6 \times 3}{4} = \frac{18}{4} = \frac{9}{2} = 4 \frac{1}{2}$$

Taranta iskudhifashada sare ee ka kooban tiro idil iyo jajab bal raadi.

1. $\frac{3}{4} \times 20$

6. $8 \times \frac{2}{5}$

2. $15 \times \frac{3}{5}$

7. $\frac{8}{9} \times 9$

3. $5 \times \frac{6}{7}$

8. $\frac{3}{4} \times 6$

4. $\frac{1}{3} \times 21$

9. $\frac{7}{8} \times 6$

5. $4 \times \frac{7}{8}$

10. $12 \times \frac{7}{8}$

11. Haddii qiimaha rodolkii sonkor ahaa yahay Sh. So. 2, Immisa senti weeyaan qiimaha :

a) $\frac{1}{2}$ rodol sonkor ah ?

b) $\frac{3}{4}$ rodol sonkor ah ?

c) $\frac{7}{8}$ rodol sonkor ah ?

(a)

(b)

(c)

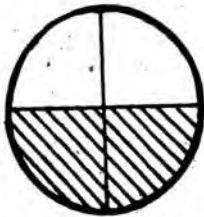
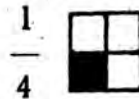
Iskudhifashada laba jajab oo qumman

Cali baa yiri, sawirka hoose ma ku tusay Cumarow!

$$\text{inna } \frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$$

Cumar baa yiri, «Haa Caliyow»

Bar, Barkii waa WAAX



Marka uu Cumar soo macneeyay oo yiri goobada bar baa ka xardhan. Barka ka xardhan barkiina, waxa weeyaan goobado afar dalool laga dhi-go daloolkeed. Sidaa ahaanteed :

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

Weerahan xisaabta ah kuwee run ah

$$1. \frac{1}{2} \times \frac{1}{3} = \frac{1}{6}$$

$$6. \frac{1}{2} \times \frac{3}{4} = \frac{3}{8}$$

$$2. \frac{1}{3} \times \frac{1}{2} = \frac{1}{5}$$

$$7. \frac{5}{8} \times \frac{3}{7} = \frac{8}{15}$$

$$3. \frac{1}{2} \times \frac{1}{3} = \frac{1}{8}$$

$$8. \frac{9}{10} \times \frac{10}{9} = \frac{1}{-}$$

$$4. \frac{1}{4} \times \frac{1}{2} = \frac{1}{8}$$

$$9. \frac{7}{8} \times \frac{3}{8} = \frac{21}{64}$$

$$5. \frac{1}{4} \times \frac{1}{3} = \frac{1}{7}$$

$$10. \frac{3}{4} \times \frac{3}{5} = \frac{9}{20}$$

Siddeedda siyood ee iskudhifashada jajabyada ku saabsan.

Meelaha maran buuxi

$$\begin{aligned}
 1. \quad 2 \times \frac{3}{4} &= \frac{2 \times 3}{4} \\
 &= \frac{6}{4} \\
 &= \frac{2}{4} = \text{----?}
 \end{aligned}$$

Waxa weeyaan iskudhufashada tirada idil jajabka qumman.

$$\begin{aligned}
 2. \quad 3 \times 2 \frac{1}{4} &= 3 \times \frac{9}{4} \\
 &= 3 \times \frac{9}{4} \\
 &= \frac{27}{4} = \text{----?}
 \end{aligned}$$

Waxa weeyaan iskudhufashada tirada idil iyo tirada iskudhafan.

$$\begin{aligned}
 3. \quad \frac{1}{3} \times 4 &= \frac{1 \times 4}{3} \\
 &= \frac{4}{3} = \text{----?}
 \end{aligned}$$

Waxa weeyaan iskudhufashada tirada qumman.

$$\begin{aligned}
 4. \quad 2 \frac{2}{5} \times 3 &= \frac{12}{5} \times 3 \\
 &= \frac{12 \times 3}{5} \\
 &= \frac{36}{5} \\
 &= \frac{7}{5} = \text{----?}
 \end{aligned}$$

Waxa weeyaan iskudhufashada tirada isku dhafan iyo tiro idil.

$$\begin{aligned}
 5. \quad \frac{1}{3} \times \frac{1}{4} &= \frac{1}{1} \times \frac{9}{4} \\
 &= \frac{1 \times 9}{3 \times 4} \\
 &= \frac{9}{12} \\
 &= \frac{3}{4} \text{ ---?}
 \end{aligned}$$

Waxa weeyaan iskudhufashada jajabka qumman iyo tirada iskudhafan.

$$\begin{aligned}
 6. \quad \frac{1}{3} \times \frac{3}{4} &= \frac{1 \times 3}{3 \times 4} \\
 &= \frac{3}{12} \\
 &= \frac{1}{4} \text{ ---?}
 \end{aligned}$$

Waxa weeyaan iskudhufashada labada jajab ee qumman.

$$\begin{aligned}
 7. \quad 3 \frac{2}{5} \times \frac{3}{4} &= \frac{17}{5} \times \frac{3}{4} \\
 &= \frac{17 \times 3}{5 \times 4} \\
 &= \frac{51}{20} \text{ ---?}
 \end{aligned}$$

Waxa weeyaan iskudhufashada tirada dhan iyo jajabka qumman.

$$\begin{aligned}
 8. \quad 2 \frac{2}{5} \times 1 \frac{1}{3} &= \frac{12}{5} \times \frac{4}{3} \\
 &= \frac{12 \times 4}{5 \times 3} \\
 &= \frac{48}{15} \text{ ---?}
 \end{aligned}$$

Waxa weeyaan iskudhufashada labada tiro ee isku dhafan.

Xisaabahan sare tirooyinkoodu iyo jajabkoodu kolba kan la horraysiiyo xagga iskudhufashada waa wax uma dhimaan.

Taranta iskudhufashada jajabyada raadi

1. $6 \times \frac{3}{4}$

2. $8 \times \frac{2}{5}$

3. $6 \times 1\frac{1}{2}$

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

5. $\frac{1}{6} \times \frac{3}{5}$

6. $\frac{5}{8} \times \frac{3}{3}$

7. $1\frac{1}{3} \times 1\frac{1}{5}$

8. $1\frac{1}{2} \times \frac{2}{5}$

9. $9 - \times 5\frac{1}{4}$

10. $\frac{1}{8} \times 3\frac{3}{16}$

11. $1\frac{1}{8} \times 1\frac{1}{8}$

12. $7\frac{1}{4} \times 1\frac{1}{3}$

13. $\frac{1}{3} \times 7$

14. $1\frac{2}{3} \times 4$

15. $\frac{1}{4} \times \frac{5}{6}$

16. $\frac{2}{3} \times \frac{3}{2}$

17. $3\frac{2}{5} \times 1\frac{1}{4}$

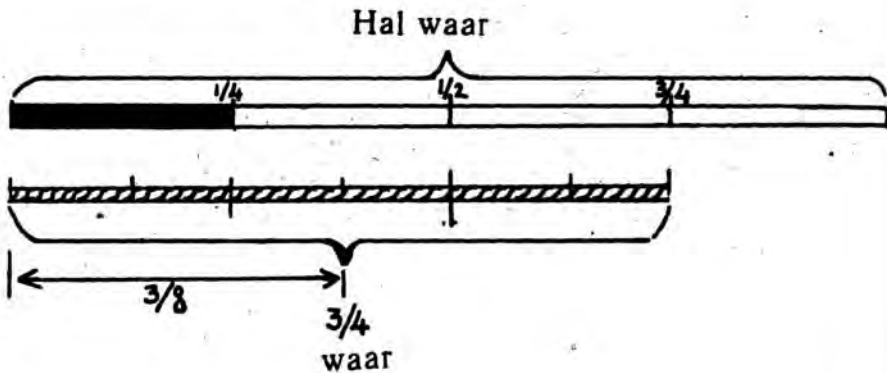
18. $3\frac{2}{5} \times \frac{3}{4}$

19. $\frac{1}{3} \times 4\frac{1}{4}$

20. $6\frac{5}{6} \times 1\frac{3}{8}$

Isuqaybinta jjabka iyo tirada idil.

Xarig dhererkiisu yahay $\frac{3}{4}$ waar u qaybi laba meelood oo is le'eg



Haddii xarriiqa laba meelood u qaybiso iyo haddii barkii aad raadiso waa isku meel.

$$\frac{3}{4} \div 2 = \frac{3}{4} \times \frac{1}{2}$$

Kala dhigga $\frac{3}{4}$ waxa weeyaan:

$$\left(\frac{2}{4} + \frac{1}{4} \right) \text{ ama } \left(\frac{1}{2} + \frac{1}{4} \right)$$

Marka $\left(\frac{1}{2} + \frac{1}{4} \right)$ barkood waxa weeyaan:-

I habka hore

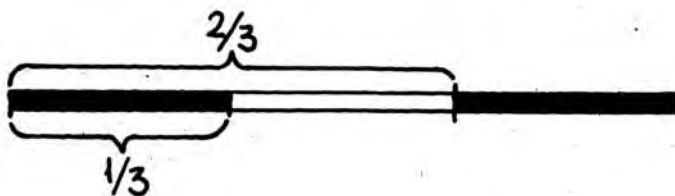
$$\begin{aligned} \left(\frac{1}{2} + \frac{1}{4}\right) \times \frac{1}{2} &= \left(\frac{1}{2} \times \frac{1}{2}\right) + \left(\frac{1}{4} \times \frac{1}{2}\right) \\ &= \frac{1}{4} + \frac{1}{8} = \frac{2+1}{8} \\ &= \frac{3}{8} \end{aligned}$$

II habka labaad

$$\begin{aligned} \frac{3}{4} \div 2 &= \frac{3}{4} \times \frac{1}{2} \\ \frac{3}{4} \div 2 &= \frac{3 \times 1}{4 \times 2} \\ &= \frac{3}{8} \end{aligned}$$

Tilmaan 2.

Sawirkan sare wuxuu ku tusayaa inay $\frac{2}{4}$ barkeedu yahay.



$$\begin{aligned} \frac{2}{3} \div 2 &= \frac{2}{3} \times \frac{1}{2} \\ &= \frac{2 \times 1}{3 \times 2} = \frac{1}{3} \end{aligned}$$

Isu qaybi oo raadi qaybta kuu soo baxaysa,
adigoo tilmaanta sare raacay.

1. $\frac{2}{8} \div 2 = _ = _$	6. $\frac{3}{4} \div 5 = _ = _$
2. $\frac{1}{_} \div 2 = _ = _$ $_ = _ = _$ $_ = _ = _$	7. $\frac{1}{_} \div 3 = _ = _$ $_ = _ = _$ $_ = _ = _$
3. $\frac{1}{2} \div 3 = _ = _$ $_ = _ = _$	8. $\frac{7}{8} \div 7 = _ = _$ $_ = _ = _$
4. $\frac{1}{3} \div 2 = _ = _$ $_ = _ = _$	9. $\frac{5}{7} \div 2 = _ = _$ $_ = _ = _$
5. $\frac{1}{2} \div 6 = _ = _$ $_ = _ = _$	10. $\frac{3}{4} \div 3 = _ = _$ $_ = _ = _$

Tilmaan:- $2 \frac{1}{4} \div 2 = \frac{9}{4} \times \frac{1}{2}$
 $= \frac{9 \times 1}{4 \times 2}$
 $= \frac{9}{8} = 1 \frac{1}{8}$

Cabdi baa yiri, «markaad isu qaybinayso laba tiro,
qaybiyo, raadi, dabadeed is weydaarkeed ku dhufo.

Cumar baa yiri; $\left(\frac{2}{1} \text{ iyo } \frac{1}{2}\right) \text{ iyo } \left(\frac{2}{5} \text{ iyo } \frac{5}{2}\right)$

miyay isweydaarsan yihiin Cabdow?

Cabdi baa yiri «Haa, way isweydaarsan yihiin». Halimaa tiri: Cumar iyo Cabdow og tihiin inay tirooyinka iyo japabkood marka laysku dhufto tarantoodu soo baxdo HAL (1)

Jajabka weydaarsani $\frac{2}{3}$ waxa weeye $\frac{3}{2}$

$$\frac{2}{3} \times \frac{3}{2} = 1$$

11) $2\frac{2}{3} \div 2 = \text{---}$ 12) $\frac{6}{1} \div 3\frac{1}{2} = \text{---}$
 $3\frac{1}{2}$

$$13) 8\frac{1}{2} \div 2 = \text{---} \quad 14) 28 = 8\dot{\div}2 = \text{---}$$

$$15) 2 \div 1\frac{1}{3} = \text{---} \quad 16) 16 \div 2\frac{3}{3} = \text{---}$$

$$17) \frac{7}{8} \div \frac{1}{8} = \text{---} \quad 18) \frac{3}{11} \div \frac{11}{3} = \text{---}$$

Xiriirka ka dhexeeya jабkabka tobnaadka ah, iyo jабkabka kale.

U rog jабkaban tobnaadka ah jабkabka kale.

Tilmaan 1.

$$3.5 = 3 \frac{\cancel{5}^1}{\cancel{10}_2} = 3 \frac{1}{2}$$

$$0.35 = \frac{\cancel{35}^7}{\cancel{100}_{20}} = \frac{7}{20}$$

1.	3.6	7.	15.12
2.	.40	8.	10.06
3.	.70	9.	2.086
4.	1.85	10.	315.60
5.	2.31	11.	41.61
6.	.25	12.	3.001

Iskudhufashada jajabka tobnaadka

Tilmaan 1.

Yusuf baa isku dhuftay 8.7 iyo .35 isagoo raadinayay tarantooda ?

$$\begin{array}{r} 8.7 \\ X \quad .35 \\ \hline 435 \\ \\ 251 \\ \hline 2.945 \end{array}$$

Xususnow:-

Inta rugood ee laba tiro ee laysku dhuftay xagga midig ka xigta dhibicda jajabka tobnaadka iyo inta rugood ee tarantood dhibicda jajabka tobnaadka xagga midig ka xigta way isle'eg yihiin.

Sidaa Yusuf dhibicda j Jabka tobnaadka u dhigay meesha ku habboon markuu taranta helay.

Adiguna taran walba oo hoos ku taal dhibicda j Jabka tobnaadka ah ku dhig meeshay ku habboon tahay.

$$1. \quad 2.9 \quad X \quad 7.1 \quad = \quad 2.059$$

$$2. \quad 6.2 \quad X \quad 3.16 \quad = \quad 19.592$$

$$3. \quad 4.03 \quad X \quad 7 \quad = \quad 2.821$$

$$4. \quad 13.29 \quad X \quad 10 \quad = \quad 13.290$$

$$5. \quad 36.8 \quad X \quad 4.2 \quad = \quad 15.456$$

$$6. \quad 14.4 \quad X \quad .25 \quad = \quad 2.600$$

$$7. \quad 1.035 \quad X \quad .100 \quad = \quad 103.500$$

$$8. \quad 1.09 \quad X \quad 2.5 \quad = \quad 2.725$$

$$9. \quad .872 \quad X \quad .100 \quad = \quad 87.200$$

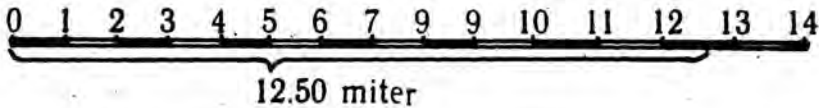
Agabarka iskudhufashada tirooyinka jajabka tobnadka.

1.	$\begin{array}{r} 14.5 \\ X \quad .9 \\ \hline \end{array}$	2.	$\begin{array}{r} 306 \\ X \quad 1.2 \\ \hline \end{array}$
3.	$\begin{array}{r} .678 \\ X \quad 16 \\ \hline \end{array}$	4.	$\begin{array}{r} 3.56 \\ X \quad 1.2 \\ \hline \end{array}$
5.	$\begin{array}{r} '789 \\ X \quad 25 \\ \hline \end{array}$	6.	$\begin{array}{r} 1.26 \\ X \quad 3.7 \\ \hline \end{array}$
7.	$\begin{array}{r} 1.75 \\ X \quad .75 \\ \hline \end{array}$	8.	$\begin{array}{r} .004 \\ X \quad .007 \\ \hline \end{array}$
9.	$\begin{array}{r} 67.8 \\ X \quad .10 \\ \hline \end{array}$	10.	$\begin{array}{r} 3.68 \\ X \quad .10 \\ \hline \end{array}$
11.	$\begin{array}{r} 7.89 \\ X \quad .17 \\ \hline \end{array}$	12.	$\begin{array}{r} 5.678 \\ X \quad .100 \\ \hline \end{array}$
13.	$\begin{array}{r} 1.25 \\ X \quad 1.25 \\ \hline \end{array}$	14.	$3.5 \times 1.5 \times 1$

ISUQAYBINTA JAJABKA TOBNAADKA AH

Tilmaan: 1.

Casha ayaa u qaybisay xarriiq dhererkeedu yahay 12.5 mitir laba meelood oo isle'eg. Meeshii waliba im-misa weeyaan qaybteedu ?



1 mitir = 100 sentimitir

Haddii aad u qaybiso 12 mitir $\div 2 = 6$ mitir
 Haddii aad u qaybiso 50 sentimitir $\div 2 = 25$ sentimitir. Wadarta 6 m. + 25 sm. = 6.25.
 Xisaabfalka tilmaanta sare waxa weeyaan:-

$$12.50 \text{ m. } \div 2 \text{ ama } \frac{12.50}{2} \text{ m.} = 6.25 \text{ jawaab.}$$

Tilmaan: 2.

Haddii qiimaha qalinku yahay 20 senti. Immisa qalin baan ku iibsan karaa Sh. So. 11.20

100 senti. = 1 Sh. So.

$$\text{Sh. So. } 11.20 \div 20 \text{ Sh. So.}$$

Isuqaybinta jajabka tobnaadka ah:-

1. Kan loo qaybinayo ka dhig markaa tiro idil adigoo ku dhufanaya 10 ama 100 iyo wax la mid ah.
2. Intaad ku dhufatay tirada loo qaybinayay ku dhufo tirada loo qaybinayo. Dabadeed markaa dheellitirka isu qaybi.

$$\text{Sh. So. } 11.20 \div .20 + \frac{11.20 \text{ Sh. So.}}{.20 \text{ Sh. So.}} = \frac{1120 \text{ Sh. So.}}{20 \text{ Sh. So.}} \text{ qal-}$$

lin

Xusuusnow:-

Haddii .20 ka dhigayso tiro idil waxaad ku dhufanaysaa 100. Si aad u dhellitirtid 100 baad ku dhufan tan sare.

$$\frac{1120}{20} = 56 \text{ qalin}$$

1. Immisa kiilo oo bariisa buu Cali iibsan karaa, hadduu haysto Sh. So. 3.60 oo qiimaha kiiloogii waliba yahay 80 senti.
2. $5.65 \div 05$ immisaad ku dhufanaysaa tirada hoose iyo tan sare si aad u dheellitirto.
3. $54 \div 4.92$ immisaad ku dhufanaysaa tirada hoose iyo tan sare, si add u dheellitirto.
4. $74.7 \div .9$ Immisaad ku dhufanasay tirada hoose iyo ta sare, si aad u dheellitirto.

5. $1.44 \div .16$

6. $1.02 \div 1.7$

7. $.015 \div .0045$

8. $.25 \div .30$

**QAYBTA DHEXE
NAQTIINKA AFARTA SIYOOD EE KU SAABSAN
XISAABFALKA**

1. Isugeyn
2. kalagoyn
3. iskudhufasho
4. Isuqaybin.

Xiriirka ka dhexeeya isugeynta iyo iskudhufashada

1. Laba tiro haaddaad isu geysid ama isku dhufatid tiro kale ayaa kuu soo baxda.

Tilmaan: 1.

$3 + 2 = 5$, $3 \times 2 = 6$ waxa kaaga soo baxa ISUGEYNTA waa **WADAR** waxa kaaga soo baxa ISKUDHUFASHADA waa **TARAN**. Xagga sare 3 iyo 2 wadartoodu waa 5.3 goor 2 tarantoodu waa 6. Xiriirka hore ee ka dhexeeya isugeynta iyo iskudhufashada waxa loo yaqaan (**OODAN**).

Labada tiro oo idil haddii aad isu geysid ama aad isku dhufatid waxay ku oodmaan tiro idil. Labada tiro hadday yihiin tiro tirsiiimo.

2. (3 iyo 4) ama (4 iyo 3) laba tiro kolba kaad hormarisaa isugeynta ama iskudhufashada waa isku mid ama wax uma dhinmaan. Xiriirkan labaad waxa loo yaqaan «kala **HORMARINTA**».

Tilmaan: 2.

$3 + 2 = ? + 3$
**KALA HORMARINTA
ISUGEYNTA**
Marka sida gaaban
loo qoro K.H.G.

||| $3 \times 4 = 4 \times 3$
**KALA HORMARINTA.
ISKUDHUFASHADA**
Marka sida gaaban
loo qoro K.H.D.

(3) **Tilmaan: 3.**

$$\begin{aligned}(3 + 2) + 5 &= 3 + (2 + 5) \\ 5 + 5 &= 3 + 7 \\ 10 &= 10\end{aligned}$$

$$\begin{aligned}(3 \times 2) \times 5 &= 3 \times (2 \times 5) \\ 6 \times 5 &= 3 \times 10 \\ 30 &= 30\end{aligned}$$

Maahmaahdan xusuusnow:

Oodi qaadis iyo jiidis waa isla guri geyn.

Tilmaanta sare iyo maahmaahdeedu waxay ku tu sayaan inaad kolba sidaad u ururisaa ama aad u hor marisaa isugeynta ama iskudhufashada aanay waxba dhimayn.

Xiriirkan saddexaad waa loo yaqaan «ISU URU- RISKI ISUGEYNTA iyo ISKUDHUFASHADA» sida gaaban ee loo qoro waxay tahay **U.G. iyo U.D.**

Laba qaanso oo iska soo hor jeeda waa loo yaqaan xagga xisabta summadda «HORMADA» ama «URURIN- TA».

Waxa summadda hormada ku jirana horay looga shaqayn.

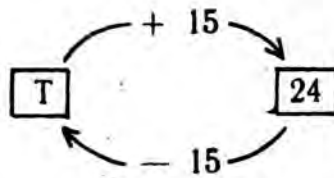
4. MAXAY WADAAGAAN ISUGEYNTIYO KALAGO- YNTU XAGGA ISAABFALKA.

Isugeynta iyo kalagoyntu waa isweydaarsan yihiin. **Tilmaan: 4.**

Tiradee loo geynayaa 15 si ay wadarta ka soo baxaysaa 24 u noqoto?

Tiradaad ka fikirayso «T» ku qor meesheeda.

$$\begin{aligned}T + 15 &= 24 \\ T &= 24 - 15 \\ T &= 9 \text{ Jawaab}\end{aligned}$$



Laba tiro oo isle'eg haddii aad kala goyso waxa kuu soo hara **EBER**. Eber isugeynta waa «Asaltiro-madoor-she» $5 + 0 = 5$

$$15 - 15 = 0 \text{ ama } 15 \text{ la' } 15 = 0$$

(15 — 15) way is waydaartaan, EBER baa soo haray.

Maahmaadhan Xusuusnow:-
Geel Geel waydaartay geedo la'aan baa leh.

Isweydaarinta (15 — 15) waxba la'aan bay soo baxday.

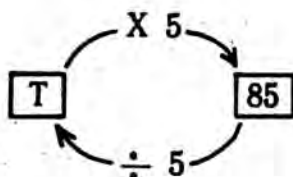
5. Maxay wadaagaan Iskudhufashada iyo Isuqaybintu xagga xisaab falka?

Iskudhufashada iyo isuqaybintu waa iswaydaarsan yihiin:

Tilmaan: 5.

Tiradee lagu dhuftay 5 si ay taranta soo baxday u noqota 85? Tiradaad ka fikirayso «T» ku qor meesheeda.

$$\begin{array}{r}
 T \times 5 = 85 \\
 T = 85 \div 5 \\
 T = 85 \\
 T = 85 \\
 \hline
 = 5 \\
 T = 17
 \end{array}$$



Laba tiro oo isle'eg haddii aad isu qaybiso waxa kuu soo baxa waa HAL (1). 1 na (ama halna) isku dhufashada waa «Asaltiro-madoorshe».

Tilmaan.

$$5 \times 1 = 5$$

Ogsoonow:-

Iskudhufashada eber iyo tiro kale waxa weeyaan. Eber. Markaa isku dhufashada eber waxa loo yaqaan «Li-qe», oo waxaad ku dhufatid eber (BAABBAH buu ka dhi-gaa).

Xusuusnow:- Saddexda siyood ee eber xisaab-falkiisa ku saabsan.

1.	$5 + 0 = 5$;	$5 = 5 - 0$;	$0 = 5 - 5$
2.	$5 \times 0 = 0$;	$0 = 0 \div 5$	ama $0 = 0 - 5$
3.	$0 \div 5$ waa la'aan. Tiro looma qaybin karo eber		

Layliga tira Oodanka isugeynta iyo isku dhufashada.

- $35 \times 7 = \text{-----}$ tiro idil ma kuu soo baxday?
- $135 \times 516 = \text{-----}$ tiro idil ma kuu soo baxday?
- $35 \div 7 = \text{-----}$ tiro idil ma kuu soo baxday?
- $7 \times 7 = \text{-----}$ tiro idil ma kuu soo baxday?
- $516 + 135 = \text{-----}$ tiro idil ma kuu soo baxday
- $516 - 135 = \text{-----}$ tiro idil ma kuu soo baxday?

7. $7 \div 35 = \text{-----}$ tiro la tirin karo ma kuu soo baxday?

8. $135 \div 516 = \text{-----}$ tiro la tirin karo ma kuu soo baxday?

(1)

9. Jawaabta kuu soo baxday xisaabta (1) iyo (4) hadday is le'eg yihiin xiriir ma ka dhexeeyaa iskudhu-fashadooda.

10. Jawaabta kuu soo baxday xisaabta (2) iyo () hadday is le'eg yihiin xiriir ma ka dhexeeyaa isugeyntooda?

9. Buuxi meelaha maran.

a	35	102	225	5	39	10	2567
b	223	93	396	79	89	83	976
a + b	258						
b + a	258						

Tusiyahan sare wuxuu kũ tusay, inay marka hore laba tiro ee is hoos yaal, siday isugu hoos qoran yihiin isu gee oo ku qor safkay ku yaalliin $a \div b$. Dabadeed siday isugu kor qoran yihiin isu gee oo ku qor safkay $b + a$ ku yaalliin?

Jawaabta $a + b$ kaaga soo baxday ma le'eg yihiin jawaabaha $b + a$ kaaga soo baxay? «Haa ama maya» _____.

9. Tusiyahanu wuxuu ku tusay inay isugeyntu leedahay?

Tusiyahan hoose isku dhufo, tirada sare iyo tan-geesta bidix xigta oo godka ay isugu yimaadan ta-rantooda ku qor.

10

X 0, 10 9 16 8 5 7 12 11
12
$12 \times 0 = 0 \times 12, \quad 9 \times 12 = 12 \times 9,$
$16 \times 12 \quad 12 \times 16$

11. Haddaba $a \times b = b \times a$? Haa ama maya.
12. Tusaalahan hoose wuxuu ku tusayaa, haddii meesha goobadu taal aad dhigto (+) ama (X). Wadarta ama taranta saddexdan tiro inay is le'eg tahay?

13. 1. $4 \bigcirc (5 \bigcirc 7)$ 7. $(4 \bigcirc 5) \bigcirc 7$
2. $4 \bigcirc (7 \bigcirc 5)$ 8. $(4 \bigcirc 7) \bigcirc 5$
3. $5 \bigcirc (4 \bigcirc 7)$ 9. $(5 \bigcirc 4) \bigcirc 7$
4. $5 \bigcirc (7 \bigcirc 4)$ 10. $(5 \bigcirc 7) \bigcirc 4$
5. $7 \bigcirc (4 \bigcirc 5)$ 11. $(7 \bigcirc 4) \bigcirc 5$
6. $7 \bigcirc (5 \bigcirc 4)$ 12. $(7 \bigcirc 5) \bigcirc 4$

toban iyo laba

Haddaba a, b iyo c isugeyntooda «toban iyo laba» siyaalood u qor adigoo tilmaanta sare raccaya.

Tiradan maqan raadi.

14. $T - (8+7) = 71$

15. $269 - 59 = T$ 49

16. $T + (225 - 118) = 80$

Adoo afartan siyaalood ee isweydaarinta, isugeynta iyo kalagoynta raacaya, buuxi godadkaa maran.

$6 + 3 = 9; 9 - 3 = 6; 9 - 6 = 3; 3 + 6 = 9$

17.

a	43	48	
b	57		56
a+b		128	100

a	18		201	
b	112	138		
a+b		44	169	

20. $T + 46 = 75 - 8$

21. $T - 32 = 28 + 6$

22. $(166 + 12) + T = 50$

23. $314 - T = 93$

24. Meelaha maraan buuxi. Raac 4 ta siyaalood ee isweydaarinta, Iskudhufashada iyo isugeyntu leedahay?

a	128	256	625
b	8	16	25
a+b			

$72 \div 4 = 18$

$72 = 18 \times 4$

$72 \div 18 = 4$

$72 = 4 \times 18$

a	144		195	
b	4	25		73
$a \div b$		12	195	0

Seylac

252	Borama				
1274	130	Hargeysa			
1274	1022	928	Galkacyo		
2010	1758	1628	844	Muqdisho	
2490	2238	2108	1216	404	Kismayo

Halkii kilomitir waxa weeyaan 1.000 mitir ?

1. Immisa kilomitir bay isu jiraan Seylac iyo Kismayo _____ ?
2. Immisa mitir bay isu jiraan Borama iyo Hargeysa _____ ?
3. Baabuur cunaya hal litir oo bansiin ah 4tii kilomitirba. Immisa litir oo bansiin ah ayuu cunayaa haddii uu ka yimaado HARGEYSA kuna socda MUQDISHO ?

5. Baabuur baa qaatay 650 litir oo bansiin ah waxuuna cunayey 4tii kilomitirba hal litir oo bansiin ah. Immisa litir buu cunay?

(a) Kismayo yo Seylac inta u dhavaysa, (b) Immisa litir baana u soo haray?

6. Baabuur baa saacaddii jarayey 40 kilomitir. Haddii aanu marna istagin, Immisa saacadood bay ku qaadanaysa (a) Borama iyo Seylac? (b), Hargeysa iyo Galkacyo? (c) Hargeysa iyo Muqdisho?

(a)

(b)

(c)

SUMMADAHA KALA DUWAN
ee
KU SAABSAN XISAABFALKA

Tilmaan: 1.

(ISUGEYNTA IYO KALAGOYNTA OO ISRAAC-SAN) $9 - 15 + 112 - 78$.

Inta summadda isugeynta ka horreysa gees isugu **ururi**. Inta summadda kalagoynta ka horreysana gees isugu **ururi**. Sidanu waxay kuu surrogelinaysaa kalagoynta. Maxaa yeelay « $9 - 15$ » kama goyn kartid oo tiro la tirin karo ka ma soo bixi karto.

Maahmaahdan Xusuusnow:-
HUNGURI WAX KA WEYN LA GESHAA
WUU DILLACAA!

$15 > 9$

Xisaabfalka tilmaanta sare

+	—
9	15
+ 112	+ 78
-----	-----
121	— 93
— 93	

28 Jawaab

Tilmaanta: 2.

(Isugeynta, kalagoynta iyo summadda Hormada oo wada jira).

$$(36 - 15) + (19 - 7)$$

Inta summadda hormada ku jirta ka hor shaqee.

$$(36 - 14) = 22, (19 - 7) = 12$$

$$22 + 12 = 34$$

Tilmaan: 2.

(AFARTA XISAABFAL IYO SUMMADDA HORMADA OO ISKU DHAFAN).

$$\begin{aligned} (3 + 4) + 3 \times 12 - 24 \div 6 \\ 7 + 3 \times 12 - 24 \div 6 \\ 7 + 36 - 4 \\ 43 - 4 = 39 \text{ Jawaab.} \end{aligned}$$

1. Marka hore ka shaqee inta ku jirta bilaha ().
2. Iskudhufashada iyo qaybinta ku xigsii.
3. Isu ururi isugeynta, haddii ay kaaga muuqato.

Layli.

SUMMADAHA ISKU DHAFAN

1. $145 - 210 - 450 + 950$
2. $(360 - 219) + (460 - 345)$
3. $400 - 120 \times 3$
4. $T = 45 + 45 \div 15$
5. $365 + 543 \div 3$
6. $T = 135 - (120 \div 8)$
7. $13 \times (12 - 8) + 45 \div 5$
8. $3 \times (9 + 8) - 36 \div 12$

Tusiyaha hoose meelaha maran buuxi. (Haddii aad haysatid tirada wax laga gooyay iyo haraagoodii. Qor kolba intay tahay tirada la gooyay).

T									
135 — T	75	93	71	27	39	101	37	83	91

10. $T = 37 \times 3 + 7 \times 12$

11. $T = (13 - 13) \times 100.$

16 ama 16.

16 kan ka yar ama 21 kan badan kolba kay sum-maddu ku jeeddo waa kan badan.

Intay 21 ka badan tahay 16 waa: 5

Saddex siyaalood waxay ku tusaysaa in $21 > 16$

$21 - 16 = 5$	$16 + 5 = 21$	$16 = 21 - 5$
---------------	---------------	---------------

12. $79 < 97 - 237$ $311 > 1365 < 3165$

a) $97 - 79 = 18$ _____

b) $79 + 18 = 97$ _____

c) $79 = 97 - 18$ _____

Tusaalahan hoose meelaha maran buuxi

13.

a	1	2	3	4	5	6	7	8	9	10	11	12
12Xa												

14. $128 + 288 \div 12$

15. $288 \div (152 - 186)$

16. $23 \times 10 + 6$ 17. $5 \times 5 \times 7 \times 7$
 18. $(512+928) \div 2$ 19. $7 \times 7 \times 7$
 20. $7 \times (7 - 7)$ 21. $T + 351 = 1000$
 22. $80 \times T = 210$ 23. $T - 351 = 219$

Ku qor goobada dhexdheeda $>$ ama $<$ ama $=$

24. $45 - (7 + 15)$ $45 - 15 + 7$
 25. $9 \times 8 + 8$ 8×10
 26. $74 + 18 - 9$ $74 - 9 - 18$
 27. $17 (6 - 6)$ 17×0

Tusiyaha hoose meelaha maran buuxi adigoo u fiir-sanaya.

a	b	c	$a - (b + c)$	$a - b - c$	$(a - b) - c$
95	39	30			
25	18	7			
34	100	75			

Ku qor $>$ ama $<$ ama $=$ goobabinta dhexdeeda.

28. $(a - b) + c$ $a + (b - c)$
 29. $a + b$ $b - a$
 30. $a - (b + c)$ $a - b - c$
 31. $(a - b) - c$ $a - b - c$

Kala dhigga iskudhufashada isuqaybinta
Tilmaan.

Kala dhigga iskudhufashada

$$\boxed{19 \times 6}$$

$$\begin{aligned} 16 \text{ waxa loo kala dhiggi kara } (10 + 6) \\ 10 \times (10 + 6) &= 10 \times 10 + 10 \times 6 \\ &= 100 + 60 \\ &= 160 \text{ Jawaab} \end{aligned}$$

Tilmaan.

Kala dhigga iskudhufashada

$$\boxed{46 \times 34}$$

$$\begin{aligned} 46 \text{ waxa loo kala dhigi karaa } (40 + 6) \\ 34 \text{ waxa loo kala dhigi karaa } (30 + 4) \end{aligned}$$

$$\begin{aligned} \boxed{46 \times 34} &= (40 + 6) \times (30 + 4) \\ &= 40 \times (30 + 4) + 6 \times (30 + 4) \\ &= 1200 + 160 + 180 + 24 \\ &= 1360 + 204 \\ &= 1564 \end{aligned}$$

46		46
X 34		X 34
24	}	184
160	}	1380
180	}	1564
1200	}	

Tilmaan: 2.

Kala dhigga isuqaybinta.

$$\begin{aligned} \frac{258}{12} &= \frac{240}{12} + \frac{240}{12} + \frac{48}{12} = 20 + 4 = 44 \\ \frac{528}{12} &= \frac{480}{12} + \frac{48}{12} = 40 + 4 = 44 \end{aligned}$$

Kala hormarinta iyo isu ururinta isugeynta

Tilmaan: 1.

«T» waxay tahay labada tiro wadartooda.

$$T = 35 + 63 \text{ siday tahay}$$

$$T = (35 + 5) + (60 + 3) \text{ (waa kala dhigga laba tiro)}$$

$$T = (30 + 60) + (5 + 3) \text{ (waa kala horreysiinta iyo isu ururinta isugeynta).}$$

$$T = 90 + 8 \text{ Xisaabfalka isugeynta}$$

$$T = 98 \text{ wadrata}$$

Tilmaan: 2.

«T» waxay tahay tirooyinka wadartooda.

$$T = 77 + 25 + 39 + 23$$

$$T = (70 + 7) + (20 + 5) + (30 + 9) + (20 + 3) \text{ waa kala dhigga.}$$

$$T = 164 \text{ Wadarta.}$$

$$T = (70 + 20 + 30 + 20) + (7 + 5 + 9 + 3) \text{ kala «H» isugeynta.}$$

$$T = 140 + 24 \text{ Xisaabfalka isugeynta}$$

$$T = (100 + 40) + (20 + 4) \text{ waa kala dhigga.}$$

$$T = 100 + 60 + 4 \text{ Xisaabfalka isugeynta.}$$

Tilmaan: 3.

$$T = 40 + 50 \text{ «T» waxay tahay wadarta}$$

$$T = 4 \times 10 + 5 \times 10 \text{ kala dhigga iskudhufashada}$$

$$T = 10 \times (4 + 5) \text{ dibadda tirada ku taal ku dhufo}$$

$$T = 10 \times 9 \text{ Xisaabfalka isugeynta}$$

$$T = 90 \text{ Taranta.}$$

Adigo raacaya tilmaanta hore. Ku garab qor sababta weer-xisaabeed walba siduu u yaal oo ugu dhigan yahay.

$$\begin{aligned}1. \quad T &= 72 + 32 \\ T &= (70 + 2) + (30 + 5) \\ T &= (70 + 30) + (2 + 5) \\ T &= 100 + 7 \\ T &= 107\end{aligned}$$

$$\begin{aligned}2. \quad T &= 732 + 535 \\ T &= (700 + 30 + 2) + (500 + 30 + 5) \\ T &= (700 + 500) + (30 + 30 + 5) \\ T &= 1200 + 60 + 7 \\ T &= 1267\end{aligned}$$

$$\begin{aligned}3. \quad T &= 50 + 60 \\ T &= 5 \times 10 + 6 \times 10 \\ T &= 10 \times (5 + 6) \\ T &= 10 \times 11 \\ T &= 110\end{aligned}$$

Isugee adigo raacaya siday isugeynta tilmaanta sare yihiin. Sababtana ku muuji oo ku garab qor.

$$4. \quad T = 35 + 29 + 45$$

$$5. \quad T = 162 + 365 + 125$$

Kala hormarinta iyo isu ururinta iskudhufashada.

Tilmaan: 1.

$$T = 32 \times 23$$

$$T = (30 + 2) \times (20 + 3) \text{ Kala dhig.}$$

$$T = 30(20 + 3) + 2(20 + 3) \quad \text{30 iyo 2 ku dhufo}$$

$(20 + 3)$

$$T = (30 \times 20 + (30 \times 3) + (2 \times 20) + (2 \times 3)) \quad \text{iskudhufashada kala dhigga}$$

$(20 + 3)$

$$T = 600 + 90 + 40 + 6 \quad \text{Xisaabfalka iskudhufashada}$$

$$T = 736 \quad \text{Isugeynta taranta}$$

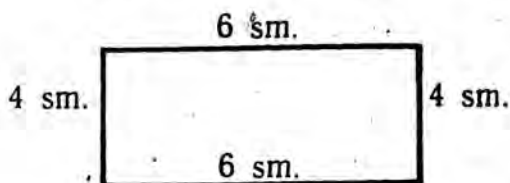
Tilmaanta sare adigoo raacaya, raadi taranta weer xisaabeedkan yahay ku garab qor sababta ay ku noqotay.

1. $T = 45 \times 25$

2. $T = 23 \times 32$

3. $T = 61 \times 27$

WAREEGGA AFAR GEESKA GUDBAN



Sawirkan sare waxa weeyaan sawir «afar gees gudban». Afartiisa geesood laba geesood oo iska soo hor jee-daaba way is le'eg yihiin. Afar geeskan gudbani wuxuu leeyahay «4 geesood oo qun u taagan; «DHERER iyo BALLAAR».

Afar geeskan xagga sare ku sawiran dhererkiisu waa 6 sentimitir ballaarkiisuna waa 4 sentimitir.

Ogsoonow:- dhererka, dherer le'eg baa ka soo hor jeeda; ballaarkana, ballaar le'eg baa ka soo hor jeeda. Marka la soo saarayo «Wareeggiisa oo ah dhererka xarriiqda ku soo wareegsan», waxa weeyaan.

Ballaar	Dherer	Ballaar	Dherer
4 sm	6 sm	4 sm	6
$4 + 6 + 4 + 6 = 20 \text{ sm.}$			

Ogsoonow:-

Haddii aad isu geyso $(6 + 4) \text{ sm.}$ waxaad- isu geysey wareeggiisa barkii. Markaas haddii aad ku dhufatid «laba» waxa kuu soo baxaya dhererka wareeggiisa oo dhan.

$$\text{Wareegga 4 geeska gudban} = 2 (6+4) = 2 \times 10 = 20$$

Ka dhig inay «D» ka taagan tahay intuu dhererka afar geeska gudban yahay. «B» inay tahay intuu ballaarkiisu yahay. Marka dhererka.

WAREEGGA AFAR GEESKA GUDBAN WAXA WEEYAAN

$$(2 \times (D + B))$$

Tilmaan: 1.

Raadi wareegga afar geeska gudban ee dhererkiisu yahay 8 sm. ballaarkiisuna yahay 6 sm.

Sida gaaban ee loo qoro wareegga afar geeska gudban waxa weeyaan.

War. 4.G.G.

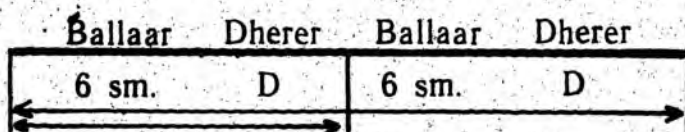
$$\text{War. 4.G.G.} = 2 \times (D + B)$$

$$= 2 \times (8 + 6) \text{ sm.}$$

$$= 2 \times 14 = 28 \text{ sm. Jawaab.}$$

Tilmaan: 2.

Raadi dhererka afar geeska gudban oo wareeggiisu yahay 32 sm. ballarrikisuna yahay 6 sm.



$$\text{War 4.G.G. barki} = \frac{1}{2} \times 32 = \frac{1 \times 32}{2} = 16 \text{ sm.}$$

$$\text{Wareegga 4 geeska gudban barki} = (D + B)$$

$$D + B = 16 \text{ sm. Haddii «B»} = 6 \text{ sm}$$

$$D + 6 = 16$$

$$D = 16 - 6 = 10 \text{ sm. jawaab.}$$

Xusuusnow:-

$$1. \text{ War 4.G.G.} = 2 \times (D + B)$$

Wareegga 4 geeska gudban barki = (D + B)

D = Dhererkiisa.

B = Ballaarikisa.

1. Haddii afar gees gudban dhererkiisu yahay 15 mitir, ballaarkiisuna yahay 12 mitir. Immisa mitir weeyaan wareeggiisu ?

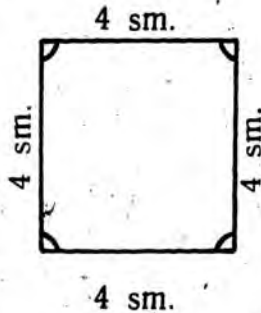
2. Afar gees gudban buu dhererkiisu yahay 8.5 m. ballaarkiisuna yahay 6.7 m. Immisa weeyaan wareegga afar geeskanu ?

3. Afar gees gudban buu ballarkiisu yahay 15 sm. wareeggiisuna wuxuu yahay 63.4 sm. Immisa weeyaan dhererka afar geskan gudban ?

4. Afar gees gudban buu dhererkiisu yahay 21 mitir, wareeggiisuna wuxuu yahay 80 mitir. Raadi intuu yahay ballarkiisu ?

5. Haddii wareegga afar gees gudbani yahay 124 m. ballaarkiisuna yahay 29 m. Immisa weeyaan dhererkiisu ?

WAREEGGA AFAR GEESKA IS LE'EG



Sawirka sare waxa weeyaan afar gees oo is le'eg oo dhiniciisa walba yahay 4sm.. Sida afar geeskan sare ayaa afar geeska is le'eg afartiisa dhinac is le'eg yihiin, afartiisa gees qumman yihiin. Afar geeska is le'eg ma leh dhinac lagu sheego dhererkiisa iyo mid lagu sheego balaarkiisa.

afar geeska is le'eg AFARTIISA, DHINAC WAY IS-LE'EG YIHIIN.

Wareegga afar geeskan sare ee dhiniciisa walba yahay 4 sm. waxa weeyaan

$$4 + 4 + 4 + 4 = 16 \text{ sm.}$$

$$\text{ama } 4 \times 4 \text{ sm.} = 16 \text{ sm.}$$

Wareegga 4 geeska isle'eg = 4 X dhinac

Tilmaan: 1.

Wareegga afar gees isle'eg raadi oo dhinicii waliba yahay 16 mitir.

Tilmaan: 2.

Wareegga afar gees isle'eg hadduu dhererkiisu yahay 64 m., immisa mitir weeyaan dhererka dhiniciisa waliba ?

Wareegga 4 gees isle'eg = 4 X dhinac

= 4 X 16 = 64 m. jawaab

Wareegga afar gees

isle'eg = 4 X dhinac

4 X dhinac = 64

dhinac = $64 \div 4 = 16 \text{ m.}$

Jawaab.

BEDDA AMA MISAAXADA AFAR GEESKA GUDBAN

Beddu waxa weeye inta wax ku fadhiyaan ee loo yaqaan masaaxadda. Waxay tahay inta **WAX** ku fadhiyo ama saldhiggeedu yahay.

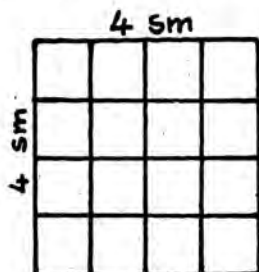
Cali baa yiri, «Qolkaan seexdaa waa faalaal». Ujeeddadiisu ma tahay bedda qolkaygu way igu filan tahay? Marka qof kuugu maahmaaho:- «Harag saagaaro, iiga kac mooyee iiga durug ma leh».

Ujeedadiisu xagga xisaabta ma tahay bedda haragga sagaaradu saldhig qof uun buu qaadi karaa?

Marka beddu waxay ku saabsan tahay wax walba inta ay ku fadhiyaan faalaakeeda.

Tilmaan: 1.

Bedda afar geeska gudban raadi haddii dhererkiisu yahay 4 sm. ballaarkiisuna yahay 3 sm.



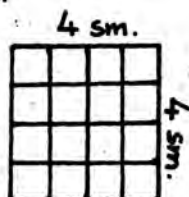
1 afar gees isle'eg sentimitir sida gaaban oo loo qoro
= 1 ag sm.

$$\begin{aligned} \text{Bedda afar geeska gudban} &= \text{dherer X ballaar} \\ &= 4 \times 3 = 12 \quad \text{sm.} \end{aligned}$$

Sawirkan sare wuxuu ku tusay inay 12 afar gees isle'eg sentimitir, inay noqonayso faalaalkuu fadhiyo afar gees gudban ee dhererkiisu yahay 4 sm. ballaarkiisuna yahay 3 sm.

Tilmaan: 2.

Raadi bedda afar geeskan is le'eg ee ku sawiran xagga hoose.



Bedda afar gees isle'eg = dhinac X dhinac

Bedda afar geeskan isle'eg = $4 \times 4 = 16$ □ sl.

Summadda □ sm. waxa weeyaan: Sida gaaban ee loo qoro waana loo qori kara.

Afar — gees is le'eg

16 □ sm. = 16 ag. sl.

Xusuusnow:-

Inay 16 sm. □ ka duwan tahay

Afar gees isle'eg oo dhinaciisa walba

Yahay 16 sm. $16 \frac{\square}{16}$. Cabbiraadda

bedda afar gees isle'eg waxa weeye. Dhi-

nac X Dhinac. Markaas 16 sm

waxa weeye afar gees isle'eg oo dhina-
ciisa waliba yahay 4 sm.

Ogsoonow:-

Markaad bedda soo saarayso inaad laba tiro isku dhufanayso.

Tilmaan: 3.

Bedda afar gees gaban oo dhererkiisu yahay HAL mitir, ballarkiisuna yahay 40 sm. raadi. (Bedda afar geeskan sm. ku soo saar).

HAL mitir = 100 sentimitir.

Bedda 4 gees gudban = dherer X ballar

$$= d \times B$$

$$= 100 \times 40$$

$$= 400 \square \text{ sm.}$$

Layliga wareegga iyo bedda afar geeska isle'eg iyo kan gudban

1. Raadi wareegga iyo bedda afar gees gudban oo dhererkiis uyahay 17 mitir, ballaarkiisuna yahay 15 mitir.
2. (a) Immisa weeyaan bedda afar geeska isle'eg ee dhinicii walba 12 sm. yahay?
(b) Immisa weeyaan bedda afar geeska gudban ee dhererkiisu yahay 16 cm., ballaarkiisuna 9 sm. ?
3. Kumaa wareeg badan afar gees isle'eg oo dhinac walba 12 sm. yahay iyo afar gees gudban oo dhererkiisu yahay 16 sm. ballaarkiisuna yahay 9 sm. Immisay isdheer yihiin labada wareeg ?

4. Afar gees gudban baa dhererkiisu yahay 125 sm. ballaarkiisuna yahay 95 m. Immisa weeyaan lacagta ku baxaysaa, haddii kan dheer laga wareejiyo, oo qiimaha mitirkii walba yahay 15 senti?

5. Afar gees is le'eg buu wareeggiisu yahay 1336 mitir. Immisa weeyaan dhinac kastaa?

6. Raadi qiimaha lagu samaynayo bedda afar gees gudban oo dhererkiisu yahay 25 m. ballaarkiisuna yahay 15 m. Haddii qiimaha lagu samaynayo halkii mitir yahay Sh. So. 1.25?

7. Bedda afar gees gudbani waa immisa, haddii wareeggiisu yahay 80 m., dhererkiisuna yahay 25 m.?

**QAYBTA DAMBE
NAQTIIN**

1. $17 + 203 - 148 - 56 + 379 - 44 - 129$.
2. Haddii sabeen qiimaheedu yahay Sh. So. 22.70. Immisa weeyaan qiimaha 50 sabeenood iyo 10 qaal-mood, haddii qaalintii walba toban sabeenood qiimaheedu yahay ?
3. 3030 buug oo kii walba qiimihiisa yahay Sh. So. 10 _____
4. 325 sabeenood oo tii walba qiimaheedu yahay Sh. So. 18 _____

5. 4 milyan oo qof oo Somali ah, hadduu qofkii walba bixiyo Sh. So. $\frac{3}{50}$. Immisa Sh. So. bay bixi-nayaan ?
6. Immisa weeyaan 126 qalin ee kii walba qiimahiisu yahay 20 senti ? Ku jawaab Sh. So.
7. Kala goo $20 - 5.18$.
8. Kala goo Sh. So. $\frac{10}{00} - \text{Sh. So. } \frac{1}{85}$.
9. Isku dhufo 0.75×0.5 .

10. $T + 7 = 15$

11. $T \times 13 = 169$

12. $\frac{3}{4} \times \frac{2}{3} =$

13. $3\frac{3}{4} + \frac{3}{8}$

14. $2346 \div 4.6$

15. $\frac{1}{5} \times 0 + \frac{3}{4}$

16. 438 cambuur oo kii waliba yahay Sh. So. 17/—.
17. 3 dersin oo uku ah oo kii waliba yahay Sh. So 2.25.
18. 898 mitir oo qiimaha mitir waliba yahay Sh. So. 11/—.
19. Haddii «iskaa-wax-u-qabso» qof waliba ku beero 12 geed, immisa qof baa beeri kara 3024 geed ?
20. U qor $\frac{17}{1000}$ jajab toban — toban ah.
21. Immisa sentimitir baa ku jira 2 . 3 mitir.
22. Immisa dharaarood baa ku juraa 6 toddobaad iyo 5 cisho.
23. Immisa saacadood baa ku jira hal todoobaad iyo 11 saacadood.

24. Cali baa haystay Sh. So. 60 hadduu siiyo $\frac{1}{3}$ waalaalkiis, immisa Sh. So. buu waalaalkii siiyey?

25. Immisa weeyaan qiimaha baabuurku ka qaato 183 qof haddii qofkii walba bixiyo Sh. So. 2.10?

26. $1\frac{1}{4} + 2\frac{5}{6} + \frac{1}{12}$

27. $\frac{7}{12} - \frac{3}{8}$

28. $1\frac{1}{6} + 1\frac{1}{8} - 3\frac{2}{3}$

29. $8 \times 14\frac{1}{5}$

30. $5\frac{1}{4} \div 4\frac{2}{3}$

31. $(5\frac{1}{4} + \frac{3}{3}) \times 13$

32. Afar gees isle'eg buu dhinac walba 18 sm. yahay (a) waa immisa sm. wareeggiisu (b) Raadi beddiisa.

33. Afar gees isle'eg buu dhinac walba 18 sm. yahay (a) waa Immisa sm. wareeggiisu (b) Raadi beddiisa.

34. U qor kilo ahaan adigoo tilmaan lagu siiyey raaca-
ya 600 garaam = 0.600 ama 0.6 k.

- a) 180 gr. = -----
b) 857 gr. = -----
c) 3500 gr. = -----
d) 4670 gr. = -----

35. Tiradee lagu dhuftaa 15 si ay tarantoodu u no-
qoto 180.

36. Immisa baa 48 mirir ka yihiin jajabka saa-
cadda ?

37. Laba jajab haddii laysku dhufto oo tarantoodu
tahay $\frac{1}{2}$.

Haddii midkood yahay $\frac{2}{3}$ raadi kan kale ?

38. Laba jajab haddii laysu geeyo o wadartoodu
tahay $\frac{7}{12}$.

Haddii midkood yahay $\frac{1}{3}$, raadi kan kale ?

39. Tusiyaha hoose buuxi meelaha maran.
- $$\frac{a^2 - b^2}{a + b} - \frac{c^2 - a^2}{a + (b + c)} + \frac{(a - b) \times c}{a + b}$$
-
-
-
-

857

646

12 10 8

40. Qulad wuxuu soo dilaaley 135 sabeenood. Mid wal-ba wuxuu ka qaatay 75 senti. Immisa weeyaan lacagtuu qatay?

41. Haddii Cali haysto 75 neef oo ari ah oo marka $\frac{1}{3}$ ay ka lunto immisa ari baa ka lumay? ———

42. 5600 garam waa immisa kilo?

43. $1236 - \frac{1}{2} \times 1236 = \text{—————}$

44. Isu gee $1.25 + 35.7 + 4.578$

45. Kala goo 207 — 34.73

46. Isku dhufo $\frac{4}{5} \times 2 \frac{1}{6} \times \frac{5}{11} \times 5 \frac{1}{2}$

47. Yusuf baa soo iibsaday 336 buug wuxuuna siistay buugaggi oo dhan Sh. So. 1,764/—. Hadduu ku iibiyo buuggii walba Sh. So. 5.40. Immisuu macaashayaa ama khasaarayaa ?

BUUXI MEELAHA MARAN

48. $\frac{1}{2} = \frac{4}{\quad} = \frac{\quad}{30}$

49. $\frac{7}{3} = \frac{\quad}{12} = \frac{\quad}{9} = \frac{18}{\quad} = \frac{64}{\quad}$

50. U jarjar oo gaarsii jajibka ugu yár.

(a) $\frac{75}{100}$ (b) $\frac{36}{144}$ (c) $\frac{3}{51}$