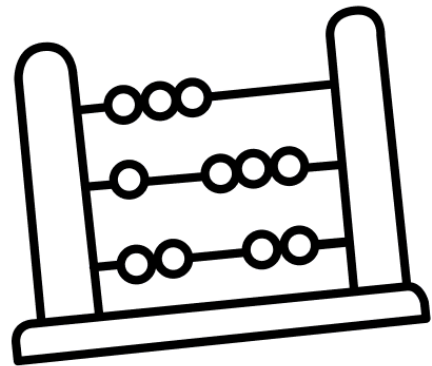


# Shaqaale beereed (xoolaha)

## Maths

**Unit** Xisaabta goobta shaqada



## Natiijo

Waxaan fahmi karaa sida xisaabta loogu isticmaalo shaqaalaha beeraha (xoolaha).

## Erayada muhiimka ah

Bedka (Area) waa cabbirka dusha sare wuxuuna sheegaa tirada labajibbaaranaha (unit squares) ee loo baahan yahay si buuxda u daboosho dushaas.

Khasaarada boqolleyda (Percentage loss) waa hoos u dhaca marka la tixraaco shay lumiyo qiimo/cuf/dherer, iwm, oo la siiyo boqolkiiba tirada asalka ah.

Shaqaaale beereed (xoolaha)



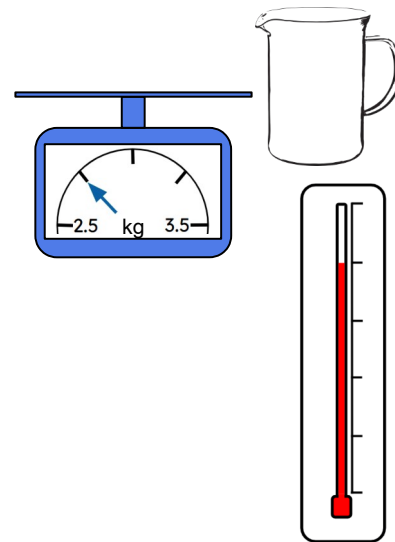
Joometri (Geometry) shaqada beeraha



Kharashyada iyo boqolleyda (Percentages)

Waa maxay qaybaha xisaabta ee aad u malaynaysaa in shaqaalaha beeraha ee la shaqeeya xoolaha ay isticmaalaan?

- Bed (Area)
- Isku dhufasho (Multiplication)
- Qaybin (Division)
- Boqolleyda (Percentages)
- Lacag (Money)
- Miisaanka iyo cabbirrada (Weights and measures)
- Heerkulka (Temperature)
- Waqtiga (Time)



Inta lagu jiro darsigan waxaan eegi doonaa qaar badan oo ka mid ah kuwan.

Beerale wuxuu leeyahay bakhaar cabbirkiisu yahay 10 m iyo 25 m.

Waxay rabaan inay ogaadaan inta xayawaan oo kasta ay si ammaan ah ku kaydin karaan gudaha maqalka.

Dhammaan xayawaanku waxay u baahan yihiin aag ugu yar oo kala duwan si ay ugu noolaadaan si ammaan ah oo raaxo leh.

| Xayawaan | Aagga loo baahan yahay |
|----------|------------------------|
| Lo'      | 10 m <sup>2</sup>      |
| Digaag   | 1 m <sup>2</sup>       |
| Doofaar  | 2.2 m <sup>2</sup>     |
| Ido      | 2 m <sup>2</sup>       |

Intee in le'eg oo xayawaan kasta ayaa si ammaan ah ku habboon maqalka?

| Xayawaan | Aagga loo baahan yahay |
|----------|------------------------|
| Lo'      | 10 m <sup>2</sup>      |
| Digaag   | 1 m <sup>2</sup>       |
| Doofaar  | 2.2 m <sup>2</sup>     |
| Ido      | 2 m <sup>2</sup>       |

Intee in le'eg oo xayawaan kasta ayaa si ammaan ah ku habboon maqalka?

Maxay tahay waxa ugu horreeya ee beeralaydu u baahan yahay inuu sameeyo?

Waxay u baahan yihiin inay ogaadaan aagga maqalka.

Waa maxay aagga maqal leydi ah oo cabirkisu yahay 10 m iyo 25 m?

10 × 25 = 250 m<sup>2</sup>

# Joometri (Geometry) shaqada beeraha

|          |                                   |
|----------|-----------------------------------|
| Xayawaan | Bedka loo baahan yahay ee nolosha |
| Lo'      | 10 m <sup>2</sup>                 |
| Digaag   | 1 m <sup>2</sup>                  |
| Doofaar  | 2.2 m <sup>2</sup>                |
| Ido      | 2 m <sup>2</sup>                  |

Immisa nooc oo xayawaan ah ayaa si ammaan ah ugu habboon gudaha barn-ka?

Sidee ayay u xisaabin doonaan tirada ugu badan ee xayawaanka ay barn-ku qaadi karo?

Bedka barn-ka = bedka loo baahan yahay ee nolosha

Immisa lo' ayaa barn-ku qaadi karaa?

250 ÷ 10 = 25 lo'

# Joometri (Geometry) shaqada beeraha



| Xayawaan | Bedka loo baahan yahay ee nolosha |
|----------|-----------------------------------|
| Lo'      | 10 m <sup>2</sup>                 |
| Digag    | 1 m <sup>2</sup>                  |
| Doofaar  | 2.2 m <sup>2</sup>                |
| Ido      | 2 m <sup>2</sup>                  |

Bedka maqaayadda = 250 m<sup>2</sup>

Xisaabi tirada:

a) digaag

$$a) 250 \div 1 = 250 \text{ digaag}$$

b) doofaar

$$b) 250 \div 2.2 = 113.64 \text{ (2 d.p.)} = 113 \text{ doofaar}$$

c) ido

$$c) 250 \div 2 = 125 \text{ ido}$$

ee barn-ku qaadi karo.

Beeruhu wuxuu heli karaa digag badan oo maqaayadda ku jira.

Ma macneheedu waa inay maqaayadda u isticmaalaan digagga si ay u helaan faa'iido ugu badan?

Maya, ma aha.

Waxa kale oo ay u baahan yihiin inay tixgeliyaan?

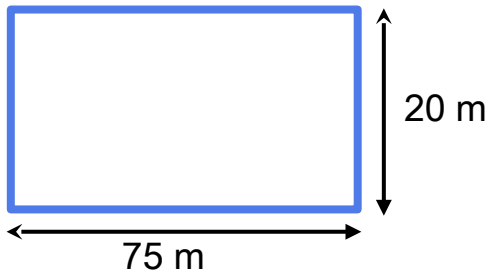
- Qiimaha iibsashada
- Qiimaha daryeelka
- Qiimaha cuntada
- Qiimaha jiifka (bedding)
- Qiimaha tallaalka
- Qiimaha wax soo saarka la iibinayo

Waxaan tixgelin doonnaa tan wareegga xiga ee barashada.

1) Mid kasta oo ka mid ah kuwa soo socda, xisaabi tirada ugu badan ee xayawaan kasta oo si badbaado leh oo raaxo leh loogu daryeeli karo maqaayaddahan:

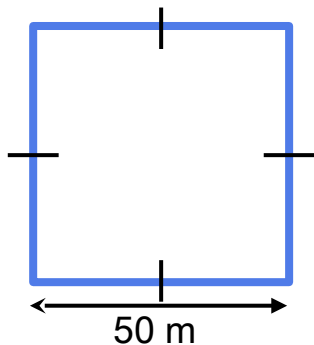
Jaantusyada looma sawirin qiyaas sax ah

a)

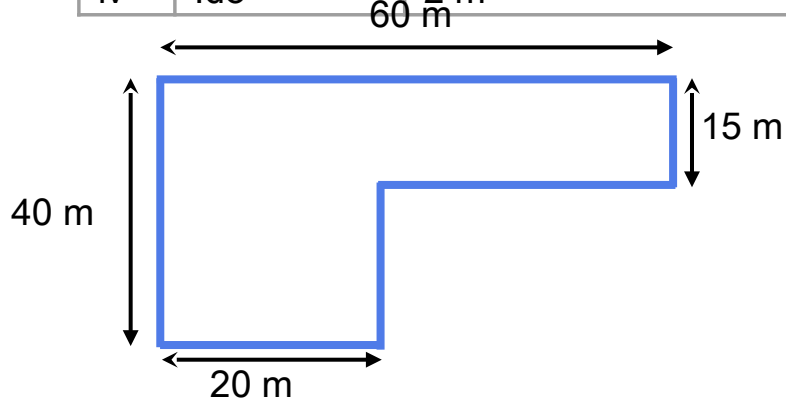


b)

c)



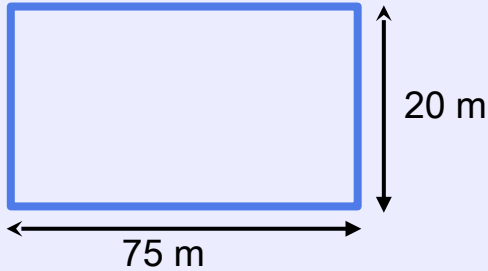
|     | Xayawaan | Bedka loo baahan yahay ee nolosha |
|-----|----------|-----------------------------------|
| i   | Lo'      | 10 m <sup>2</sup>                 |
| ii  | Digag    | 1 m <sup>2</sup>                  |
| iii | Doofaar  | 2.2 m <sup>2</sup>                |
| iv  | Ido      | 2 m <sup>2</sup>                  |



1) Mid kasta oo ka mid ah kuwan hoose, xisaabi tirada ugu badan ee xayawaan kasta oo si ammaan ah oo raaxo leh loogu daryeeli karo gudaha xerooyinkan:

Jaantusyada  
looma sawirin  
qiyaas sax ah

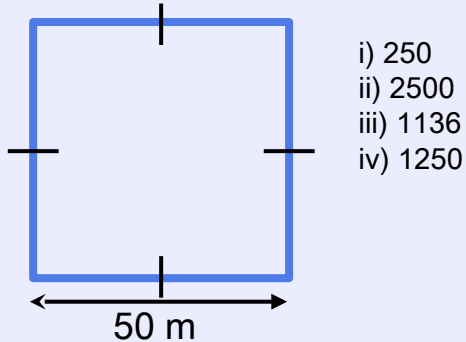
a)



- i) 150
- ii) 1500
- iii) 681
- iv) 750

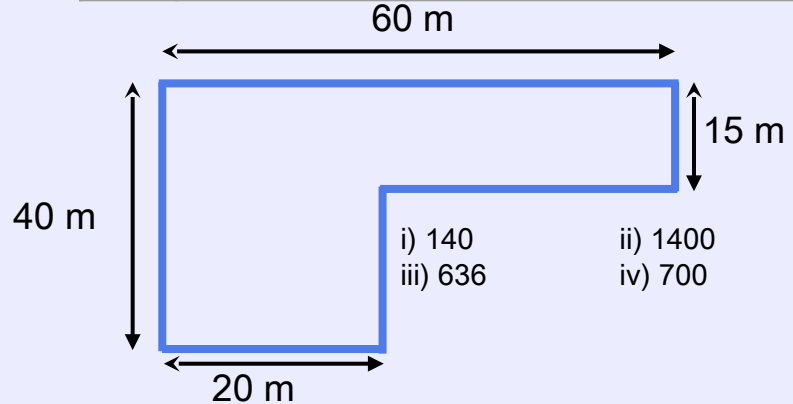
b)

c)



- i) 250
- ii) 2500
- iii) 1136
- iv) 1250

|     | Xayawaan | Bedka loo baahan yahay<br>(Required living area) |
|-----|----------|--------------------------------------------------|
| i   | Lo'      | 10 m <sup>2</sup>                                |
| ii  | Digag    | 1 m <sup>2</sup>                                 |
| iii | Doofaar  | 2.2 m <sup>2</sup>                               |
| iv  | Ido      | 2 m <sup>2</sup>                                 |



- i) 140
- ii) 1400
- iii) 636
- iv) 700

### Shaqaale beeraha (xoolaha)



Joometri (Geometry) shaqada beeraha



Kharashka iyo boqolleyda (Percentages)

Baar sida ay u kacdo kharashka daryeelka xoolahan mid kasta oo ka mid ah UK; lo'da caanaha, digaagga, doofaarka iyo idaha.

Waa kuwan tirooyinka baaritaankayga.

Waxaad isticmaali kartaa taaada ama tayda qaybta xigta ee darsiga.

| Xoolaha   | Kharashka daryeelka        |
|-----------|----------------------------|
| Lo' caano | £3.75 maalintii            |
| Digaag    | £200 sannadkii 4 digaagood |
| Doofaar   | £20 bishii                 |
| Ido       | £95 sannadkii              |

Maxay noqon kartaa wax faa'iido leh in la sameeyo si loo barbardhigo kharashyadan?

Soo saar kharashka sanadkiiba xayawaankiiba.

|                          |                           |
|--------------------------|---------------------------|
| Xayawaan                 | Kharashka daryeelka       |
| Sac caano<br>(Dairy cow) | £3.75 maalintii           |
| Digaag                   | £200 sanadkii 4 digaagood |
| Doofaar                  | £20 bishii                |
| Ido                      | £95 sanadkii              |

Waxaan ku bilaabi doonnaa sacaha.

Maxaan u baahan nahay inaan sameyno si loo xisaabiyo kharashka sanadka ee daryeelka 1 sac?

Waxaan haynaa kharashka maalintii. Sidaas darteed, waxaan u baahan nahay inaan ku dhufano tirada maalmaha sanadka.

$$£3.75 \times 365 = £1368.75$$

|               |                           |
|---------------|---------------------------|
| Xayawaan      | Qiimaha daryeelka         |
| Lo'da caanaha | £1368.75 sanadkii         |
| Digaag        | £200 sanadkii 4 digaagood |
| Doofaar       | £20 bishii                |
| Ido           | £95 sanadkii              |

Oo hadda digaagga

Maxaan u baahan nahay inaan sameyno si loo xisaabiyo kharashka sanadka ee daryeelka 1 digaag?

Waxaan haynaa kharashka sanadka ee 4 digaagood. Sidaas darteed, waxaan u baahan nahay inaan u qaybino 4 si loo xisaabiyo kharashka hal digaag.

$$£200 \div 4 = £50$$

| Xayawaanka    | Qiimaha daryeelka |
|---------------|-------------------|
| Lo'da caanaha | £1368.75 sanadkii |
| Digaag        | £50 sanadkii      |
| Doofaar       | £20 bishii        |
| Ido           | £95 sannadkii     |

Iyo doofaarradii

Maxaan u baahan nahay inaan sameyno si aan u xisaabino qiimaha sanadka ee daryeelka 1 doofaar?

Waxaan haynaa qiimaha bishii. Sidaa darteed, waxaan u baahan nahay inaan ku dhufano 12 si aan u helno qiimaha sanadka.

$$£20 \times 12 = £240$$

|               |                     |
|---------------|---------------------|
| Xayawaan      | Kharashka daryeelka |
| Lo'da caanaha | £1368.75 sannadkii  |
| Digaag        | £50 sannadkii       |
| Doofaar       | £240 sannadkii      |
| Ido           | £95 sannadkii       |

Ugu dambeystii, idaha.

Maxaan u baahan nahay inaan xisaabino kharashka sannadka ee daryeelka 1 ido?

Waxba, waxaan haysannaa kharashka daryeelka 1 ido sannad.

£95

|               |                               |
|---------------|-------------------------------|
| Xayawaan      | Kharashka daryeelka sannadkii |
| Lo'da caanaha | £1368.75                      |
| Digaag        | £50                           |
| Doofaar       | £240                          |
| Ido           | £95                           |

Tani waxay ka dhigan tahay inay ugu fiican tahay in la haysto digaag.

Ma ku raacsan tahay mise waad diidaysaa? Sharax jawaabtaada.

Tiro kala duwan oo xayawaan kasta ah ayaa ku habboon gudaha barn-ka. Sidaas darteed, waxaan u baahanahay inaan helno wadarta kharashka dhammaan xayawaanka.

Sidoo kale, weli ma aanan tixgelin kharashka iibsashada iyo qiimaha wax soo saarka.

| Xayawaan  | Kharashka daryeelka sannadkii | Tirada xayawaanka |
|-----------|-------------------------------|-------------------|
| Sac caano | £1368.75                      | 25                |
| Digaag    | £50                           | 250               |
| Doofaar   | £240                          | 113               |
| Ido       | £95                           | 125               |

Hadda waxaan xisaabin karnaa wadarta kharashka daryeelka dhammaan xayawaanka.

Wadarta kharashka lo'da =  $25 \times £1368.75$

= £34 218.75

| Xayawaan  | Kharashka daryeelka sannadkii | Tirada xayawaanka |
|-----------|-------------------------------|-------------------|
| Sac caano | £1368.75                      | 25                |
| Digaag    | £50                           | 250               |
| Doofaar   | £240                          | 113               |
| Ido       | £95                           | 125               |

Xisaabi wadarta kharashka:

a) digaagada

$$250 \times £50 = £12\,500$$

$$113 \times £240 = £27\,120$$

b) doofaarka

$$125 \times £95 = £11\,875$$

c) idaha

## Kharashyada iyo boqolleyda (percentages)

| Xayawaan      | Wadarta kharashka daryeelka sanadkii |
|---------------|--------------------------------------|
| Lo'da caanaha | £34 218.75                           |
| Digaag        | £12 500                              |
| Doofaar       | £27 120                              |
| Ido           | £11 875                              |

Hadda waxaa ugu muhiibnaa inaysto ido.

Ma ku raacsan tahay ama ma diidantahay? Sharax jawaabtaada.

Hadda waxaan u baahanahay inaan tixgelinno qiimaha wax soo saarka la iibin karo.

Aan ka bilowno lo'da caanaha.

Maxay lo'da caanaha soo saartaa?

Lo'da caanaha waxay soo saartaa caano.

Waa maxay macluumaadka aan u baahanahay si aan u ogaanno faa'iidada lo'da caanaha?

Waxaan u baahanahay inaan ogaanno xaddiga caanaha ee lo'du soo saarto maalintii iyo qiimaha beeralaydu ku iibin karo.

Immisa litir oo caano ah ayaad u malaynaysaa in 1 lo' soo saarto maalintii?

Celcelis ahaan lo'da UK waxay soo saartaa 22 litir oo caano ah maalintii.

Tirada saca = 25

Sac kastaa wuxuu soo saaraa celcelis ahaan 22 litir oo caano ah maalintii.

U qaad qiimaha iibka litirkiisa caanuhu waa 37.6 p.

Waa imisa wadarta dakhliga (income) ee xayndaahayaga saca?

Aan bilowno xisaabinta tirada litir ee caanaha uu soo saaro hal sac sanad gudihiis.

Xisaabtee ayaan samayn doonnaa?

$22 \times 365 = 8030$  litir

Tirada saca = 25

Sac kastaa wuxuu soo saaraa celcelis ahaan 22 litir oo caano ah maalintii.

U qaad qiimaha iibka litirkiisa caanuhu waa 37.6 p.

Waa imisa wadarta dakhliga (income) ee xayndaahayaga saca?

Waxaan u baahanahay inaan ogaanno wadarta tirada litir ee dhammaan xoolahayaga.

Xisaabtee ayaan samayn doonnaa?

$$8030 \times 25 = 200\,750 \text{ litir}$$

Ugu dambeyntii, wadarta dakhliga (income) la helay.

$$200\,750 \times 0.376 = \text{£}75\,482$$

Tirada digaagda = 250

Digaag kastaa wuxuu soo saaraa celcelis ahaan 300 ukun sanadkii.

U qaad qiimaha iibka darsin ukun waa 143 p darsintii.

Waa maxay wadarta dakhliga (income) ee barn-ka digaagadeena?

Tirada ukunta la soo saaray =  $250 \times 300 = 75\,000$

Waxaan u baahanahay inaan ogaano tirada guud ee darsin (dozen) ee aan iibin karno.

Xisaabtee (calculation) ayaan samayn doonnaa?

$75\,000 \div 12 = 6250$  darsin (dozen)

Ugu dambeyntii, wadarta dakhliga (income) la helay.

$6250 \times \text{£}1.43 = \text{£}8937.50$

# Kharashyada (Costs) iyo boqolleyda (percentages)



Tirada doofaarrada = 113

Cufka (mass) celceliska ah ee jirka doofaarka waa 90 kg.

U qaad qiimaha iibka kiilogaraamka doofaarku waa £2.06 kiilogaraamkiiba.

Waa maxay wadarta dakhliga (income) ee barn-ka doofaarradeena?

Aan ku bilowno xisaabinta wadarta cufka (mass) ee xoolaheena doofaarka.  
Xisaabtee (calculation) ayaan samayn doonnaa?

$$113 \times 90 \text{ kg} = 10\,170 \text{ kg}$$

Hadda, wadarta dakhliga (income) la helay.

$$10\,170 \times £2.06 = £20\,950.20$$

# Kharashyada (Costs) iyo boqolleyda (percentages)



Tirada idaha = 125

Cufka (mass) celceliska ah ee jirka idaha waa 18 kiilogaraam.

U qaad qiimaha iibka kiilogaraamka idaha waa £5.78 kiilogaraamkiiba.

Waa maxay wadarta dakhliga (income) ee barn-ka idaheena?

$$125 \times 18 \text{ kg} = 2250 \text{ kg}$$

$$\text{Wadarta dakhliga (income) la helay} = 2250 \times £5.78 = £13\,005$$

# Kharashyada (Costs) iyo boqolleyda (percentages)

| Xayawaan      | Wadarta kharashka daryeelka sannadkii | Wadarta dakhliga sannadkii |
|---------------|---------------------------------------|----------------------------|
| Lo'da caanaha | £34 218.75                            | £75 482                    |
| Digagga       | £12 500                               | £8937.50                   |
| Doofaarka     | £27 120                               | £20 950.20                 |
| Idaha         | £11 875                               | £13 005                    |

Xayawaanka kee faa'iido (profit) sameeya?

Lo'da caanaha iyo idaha.

Xayawaanka kee ugu faa'iidada badan (profitable)?

Lo'da caanaha.

# Kharashyada iyo boqolleyda (percentages)

| Xayawaan      | Wadarta kharashka daryeelka sannadkii | Wadarta dakhliga sannadkii |
|---------------|---------------------------------------|----------------------------|
| Lo'da caanaha | £34 218.75                            | £75 482                    |
| Digagga       | £12 500                               | £8937.50                   |
| Doofaarka     | £27 120                               | £20 950.20                 |
| Idaha         | £11 875                               | £13 005                    |

Haddii beeralaydu go'aansado inuu doonayo inuu haysto digaag, maxay samayn karaan si ukunta ay u noqoto mid faa'iido leh (profitable)?

Waxay go'aansan karaan inay si toos ah ugu iibiyaan iibsadaha halkii ay ka iibin lahaayeen tafaariiqle (retailer). Tafaariiqle wuxuu kordhinayaa qiimaha ukunta lagu iibiyo iibsadaha si uu lacag u helo.

Beeraleydu waxay eegaan qiimaha dersin ukun oo ka yimid ganacsato kala duwan.

Kuwani waa qiimaha: £3.05, £4.10, £3.60 iyo £3.15

Maxay tahay in beeraleydu ku dalacaan dersin ukun?

Waxay go'aansadeen inay isticmaalaan celceliska qiimaha 4 ganacsato.

$$(\pounds 3.05 + \pounds 4.10 + \pounds 3.60 + \pounds 3.15) \div 4$$

$$= \pounds 13.90 \div 4$$

$$= \pounds 3.48$$

Ma waxaa beeraleydu faa'iido heli doonaan hadda?

| Xayawaan                                      | Wadarta kharashka daryeelka sannadkii | Wadarta dakhliga sannadkii |
|-----------------------------------------------|---------------------------------------|----------------------------|
| Digag                                         | £12,500                               |                            |
| 6250 dersin oo la soo saaray sannad gudihiis. |                                       |                            |

Qiimaha iibka dersin kasta = £3.48

Waa maxay wadarta dakhliga hadda?

Wadarta dakhliga sannadlaha ah =  $6250 \times £3.48$

Ma waxay digaggu hadda sameeyaan faa'iido?

| Xayawaan      | Wadarta kharashka daryeelka sannadkii | Wadarta dakhliga sannadkii |
|---------------|---------------------------------------|----------------------------|
| Lo'da caanaha | £34 218.75                            | £75 482                    |
| Digag         | £12 500                               | £21 750                    |
| Doofaar       | £27 120                               | £20 950.20                 |
| Ido           | £11 875                               | £13 005                    |

Waxay go'aansadeen inaysan tixgelin doofaarrada.

Xayawaanka kale kee baa faa'iidada ugu badan?

|                                     |     |           |                                     |
|-------------------------------------|-----|-----------|-------------------------------------|
|                                     | %   | £         |                                     |
| $\times \frac{75\,482}{34\,218.75}$ | 100 | 34 218.75 | $\times \frac{75\,482}{34\,218.75}$ |
|                                     |     | 75 482    |                                     |

# Kharashyada iyo boqolleyda

| Xayawaan | Wadarta kharashka daryeelka sannadkii | Wadarta dakhliga sannadkii |
|----------|---------------------------------------|----------------------------|
| Digaag   | £12 500                               | £21 750                    |
| Ido      | £11 875                               | £13 005                    |

Xisaabi faa'iidada boqolleyda ee digaagada.

$$\times \frac{21\,750}{12\,500} \left( \begin{array}{|c|c|} \hline \% & \text{£} \\ \hline 100 & 12\,500 \\ \hline & 21\,750 \\ \hline \end{array} \right) \times \frac{21\,750}{12\,500}$$

# Kharashyada iyo boqolleyda

| Xayawaan | Wadarta kharashka daryeelka sannadkii | Wadarta dakhliga sannadkii |
|----------|---------------------------------------|----------------------------|
| Digaag   | £12 500                               | £21 750                    |
| Ido      | £11 875                               | £13 005                    |

Xisaabi faa'iidada boqolleyda ee digaagada.

$$\times \frac{21\,750}{12\,500} \left( \begin{array}{|c|c|} \hline \% & \pounds \\ \hline 100 & 12\,500 \\ \hline 174 & 21\,750 \\ \hline \end{array} \right) \times \frac{21\,750}{12\,500}$$

Percentage profit is 74 %

Xisaabi faa'iidada boqolleyda ee idaha.

$$\times \frac{13\,005}{11\,875} \left( \begin{array}{|c|c|} \hline \% & \pounds \\ \hline 100 & 11\,875 \\ \hline \approx 109.5 & 13\,005 \\ \hline \end{array} \right) \times \frac{13\,005}{11\,875}$$

Percentage profit is  $\approx 9.5$  %

| Animal     | Percentage Profit |
|------------|-------------------|
| Dairy cows | 120 %             |
| Chickens   | 74 %              |
| Sheep      | 9.5 %             |

## Xayawaanka kale, kee baa faa'iidadada ugu badan?

Lo'du waxay leedahay faa'ido badan.

Waa maxay kharashyada aan la tixgelin?

Kharashka ibsashada xayawaanka laguma darin.

Also things like: processing and packaging, wages.

Kharashyada iyo qiimaha ibku waxay is beddelaan si joogto ah, taas oo sidoo kale ka dhigaysa mid aad u adag in la hubiyo in xayawaanku faa'ido yeeshaan.

Waxaan u malaynayaa inaad ogolaan doonto in shaqaale beeralay ah oo la shaqeeya xayawaanku uu isticmaalo xisaab badan!

1) Beeralay ayaa go'aansaday inuu siiyo lo'da boos dheeri ah.

Kharashka daryeelka lo'da maalintii waa £4

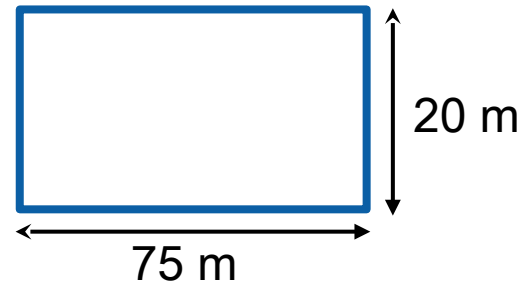
Waxay siin doonaan lo' kasta 12 m<sup>2</sup>.

U qaad in lo' kastaa soo saarto 20 litir oo caano ah maalintii.

Qiimaha iibka litirkiiba waa 38 p.

Calculate the following:

- a) Tirada lo'da uu barnigu dejin karo.
- b) Qiimaha daryeelka lo'da sannadkii.
- c) Dakhliga ka yimaada soosaarka caanaha.
- d) Boqolleyda faa'iidada (percentage profit).



2) Beeraley ayaa go'aansaday inuu doonayo inuu keydo digaag.

Waxay siinayaan digaag kasta aag  $15 \text{ m}^2$  ah

Qiimaha daryeelka digaagga sannadkii waa £50

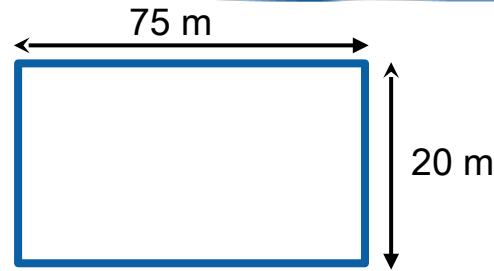
Digaag kastaa wuxuu soo saaraa celcelis ahaan 0.8 ukun maalintii.

Waxay go'aansadeen inay iibiyaan ukunta laftooda, iyagoo iibinaya 1 darsin (dozen) £3.20

Xisaabi kuwan soo socda:

a) Boqolleyda faa'iidada (percentage profit).

b) Beeraleygu wuxuu rabaa inuu sameeyo 60% faa'iido. Intee ayay u baahan yihiin inay ku dalacaan darsin ukun?



1) Beeraley ayaa go'aansaday inuu doonayo inuu siiyo lo'da boos dheeri ah.

Qiimaha daryeelka lo'da maalintii waa £4

Waxay siinayaan lo' kasta 12 m<sup>2</sup>.

U qaad in lo' kastaa soo saaro 20 litir oo caano ah maalintii.

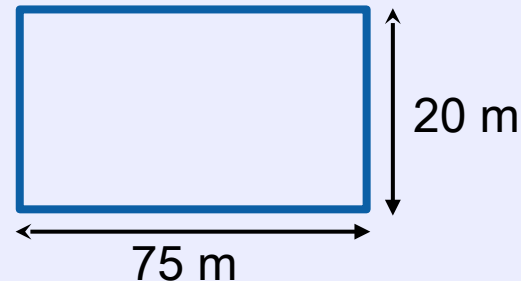
Qiimaha iibka litirkiiba waa 38 p.

Xisaabi kuwan soo socda:

a) Tirada lo'da uu barnigu dejin karo.

Bedka barniga = 1500 m<sup>2</sup>

Tirada lo'da =  $1500 \div 12 = 125$



1) Beeraley ayaa go'aansaday inuu siiyo lo'da meel badan.

Kharashka daryeelka lo'da maalintii waa £4

Waxay siinayaan lo' kasta 12 m<sup>2</sup>.

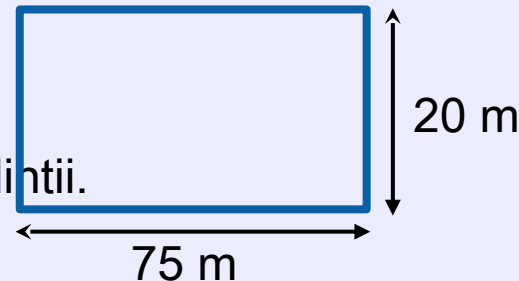
U qaad in lo' kasta ay soo saarto 20 litir oo caano ah maalintii.

Qiimaha iibka litirkiiba waa 38 p.

Xisaabi kuwan soo socda:

b) Kharashka daryeelka lo'da sanadkii.

Kharashka daryeelka =  $125 \times 4 \times 365 = \text{£}182\,500$



1) Beeraley ayaa go'aansaday inuu siiyo lo'da meel badan.

Kharashka daryeelka lo'da maalintii waa £4

Waxay siinayaan lo' kasta 12 m<sup>2</sup>.

U qaad in lo' kasta ay soo saarto 20 litir oo caano ah maalintii.

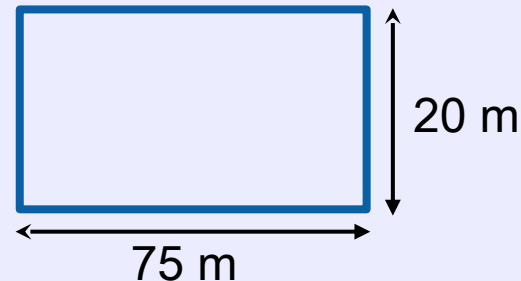
Qiimaha iibka litirkiiba waa 38 p.

Xisaabi kuwan soo socda:

c) Dakhliga ka yimaada soosaarka caanaha.

$$\text{Litirka caanaha} = 125 \times 20 \times 365 = 912\,500$$

$$\text{Dakhliga} = 912\,500 \times 0.38 = \text{£}346\,750$$



1) Beeraley ayaa go'aansaday inuu siiyo lo'da meel badan.

Qiimaha daryeelka sac maalintii waa £4

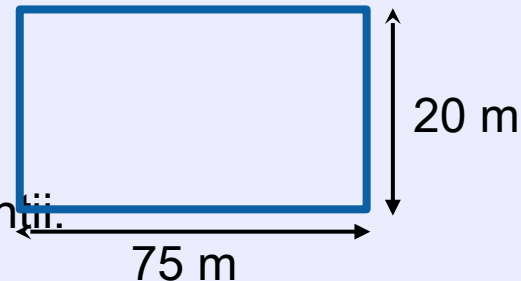
Waxay siinayaan sac kasta 12 m<sup>2</sup>.

U qaad in sac kastaa soo saaro 20 litir oo caano ah maalintii.

Qiimaha iibka litirkiiba caanuhu waa 38 p.

Xisaabi kuwan soo socda:

d) Boqolleyda faa'iidada (percentage profit).



|       |     |         |       |
|-------|-----|---------|-------|
|       | %   | £       |       |
|       | 100 | 182 500 |       |
| × 1.9 | 190 | 346 750 | × 1.9 |

90% faa'iido ayaa la sameeyay

2) Beeraley ayaa go'aansaday inuu doonayo inuu haysto digaa.

Waxay siinayaan digaa kasta aag 15 m<sup>2</sup>

Qiimaha daryeelka digaaqga sannadkii waa £50

Digaag kastaa wuxuu soo saaraa celcelis ahaan 0.8 ukun maalintii.

Waxay go'aansadeen inay iibiyaan ukunta laftooda, iyagoo iibinaya 1 darsin (dozen) £3.20

Xisaabi kuwan soo socda:

a) Boqolleyda faa'iidada (percentage profit).

Aagga barn-ka = 1500 m<sup>2</sup>

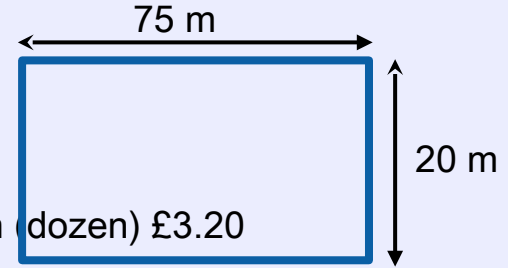
Tirada digaaqga =  $1500 \div 15 = 100$

Qiimaha daryeelka sannadkii =  $100 \times 50 = £5000$

Tirada ukunta sannadkii =  $100 \times 0.8 \times 365 = 29\,200$

Dakhliga ukunta sannadkii =  $29\,200 \div 12 \times £3.20 = £7786.67$

Boqolleyda faa'iidada  $\approx 55.7\%$



2) Beeraley ayaa go'aansaday inuu doonayo inuu keydiyo digaag.

Waxay siinayaan digaag kasta aag 15 m<sup>2</sup>

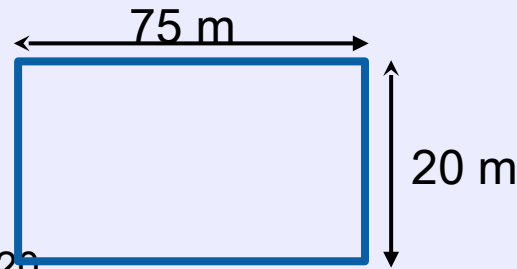
Kharashka daryeelka digaagga sannadkii waa £50

Digaag kastaa wuxuu soo saaraa 0.8 ukun celcelis ahaan maalintii.

Waxay go'aansadeen inay iibiyaan ukunta laftooda. libinta 1 dozen £3.20

Xisaabi kuwan soo socda:

b) Beeralaygu wuxuu rabaa inuu sameeyo 60% faa'iido (profit). Immisa ayay u baahan yihiin inay ku dallacaan dozen ukun?



$$\text{Kharashka daryeelka sannadkii} = 100 \times 50 = \text{£}5000$$

$$\text{Tirada dozen-ka sannadkii} = 29\,200 \div 12 = 2433$$

$$\text{Dakhliga 60\% faa'iidada} = \text{£}5000 \times 1.6 = \text{£}8000$$

$$\text{Qiimaha dozen kasta} = \text{£}8000 \div 2433 = 3.2881\dots \approx \text{£}3.29$$

Dadka la shaqeeya xayawaanka waxay isticmaalaan qaybo badan oo xisaab ah.

E.g.

- Bed (Area)
- Isku dhufasho (Multiplication)
- Qaybin (Division)
- Boqolleyda (Percentages)
- Lacag (Money)
- Miisaanka iyo cabbirka (Weights and measures)
- Heerkulka (Temperature)
- Waqtiga (Time)

Inta lagu guda jiro darsigan waxaan eegnay sida loo hubiyo in xayawaanku leeyihiin qaddarka saxda ah ee booska ay ku noolaanayaan iyo sida qiimaha iibka iyo qiimaha iibku u saameeyaan faa'iidada (profit margins).