

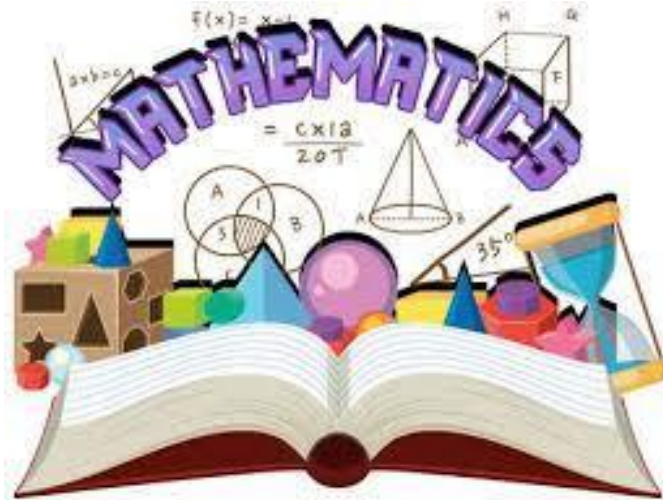
The vision of the school: Distinct Environment for Refined Education



St Fatima Language Schools®
Al Hegaz

Primary 3

Work sheet



Mathematics

Second term

2023/2024

Name:

Class :

Supervisor of Mathematics

Mrs. Shereen Wahba

CHAPTER ONE

Area of a square

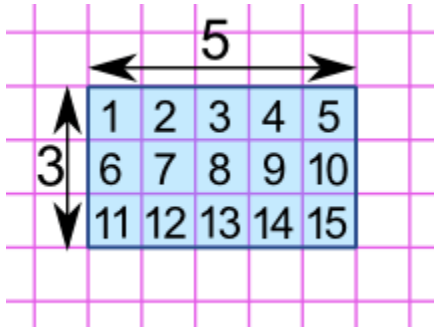
Equations

Area of a rectangle

Distributive

Story problems

Area of rectangle :-

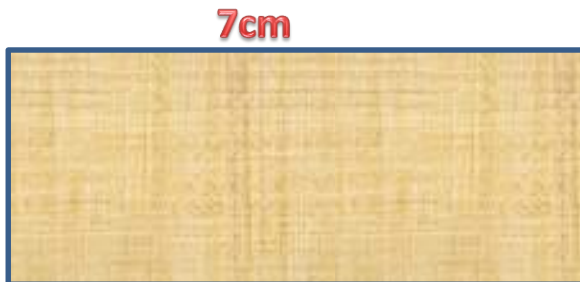


This shape as a rectangle

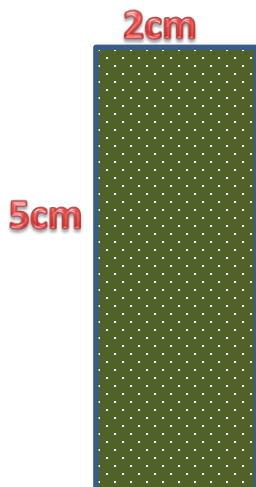
length x width

$$3 \times 5 = 15 \text{ square unit}$$

Find the area :-



3cm The area = = cm^2



The area = = cm^2

The area of square = side length x side length.



The area = =cm²

Answer the questions :-

a) If the side of square = 9 cm , then its area =

The equation.....

b) If the length of a rectangle is 4 cm and its width = 6 cm then its area =

The equation.....

c) If the area of a square = 25 cm² , then its side length =

The equation.....

d) If the area of a rectangle = 36 cm² and its width is 4 cm then its length =cm

The equation.....

Equation

$$\begin{aligned} \text{If } 4 \times 2 \times 3 &= (4 \times 2) \times 3 \\ &= 8 \times 3 = 24 \end{aligned}$$

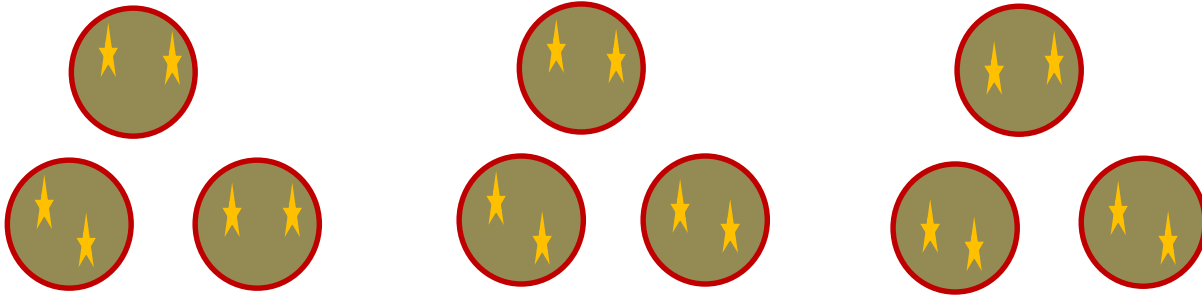
$$\begin{aligned} \text{If } 4 \times 2 \times 3 &= (3 \times 4) \times 2 \\ &= 12 \times 2 = \dots \\ &12 + 12 = 24 \end{aligned}$$

Choose :-

- a) $5 \times 6 \times 2 = \dots\dots\dots$ [$(5 \times 2) \times 12$, $(5 \times 6) \times 3$, (30×2)]
- b) $5 \times 11 \times 4 = \dots\dots\dots$ [$11 \times (5 \times 5)$, 11×20 , $4 \times (11 \times 4)$]
- c) $15 + 15 + 15 = \dots\dots\dots$ [$3 \times 5 \times 3$, 2×15 , 3×10]
- d) $16 \times 2 \times 5 = \dots\dots\dots$ [16×20 , $16 \times 2 \times 4$, otherwise]
- e) $8 \times 5 \times 5 = \dots\dots\dots$ [8×25 , 40×4 , $40 + 40 + 40$]
- f) $18 \times 2 = \dots\dots\dots$ [$2 \times 9 \times 3$, $18 + 18$, $6 \times 3 \times 4$]

Look carefully then answer :-

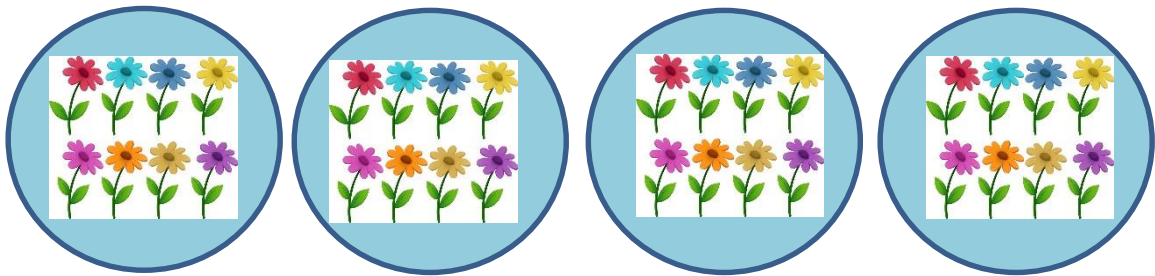
A



Complete by equation :-

- a) The number of stars in each circle =
- b) The number of circles. =
- c) The number of all stars. =

B



- a) The number of flowers in each circle =
- b) The number of circles =
- c) The number of all flowers. =

Try to solve the problems :-

a) A bag has 2 pencil cases , each pencil case contains 7 pens

Then how many pens in 4 bags ?

The equation =

b) A van has 7 boxes of apple , if each box has 10 apples .

So , how many apples in 5 vans ?

The equation =

c) A desk of one class can placed two students , if the class has 15 desk then how many students in 10 classes ?

The equation =

d) If a month has 30 days ,(the day has 24 hours) .

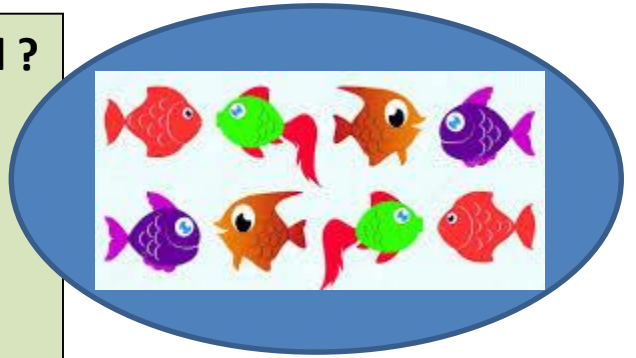
Then how many hours in 2 months?

The equations =

Answer :-

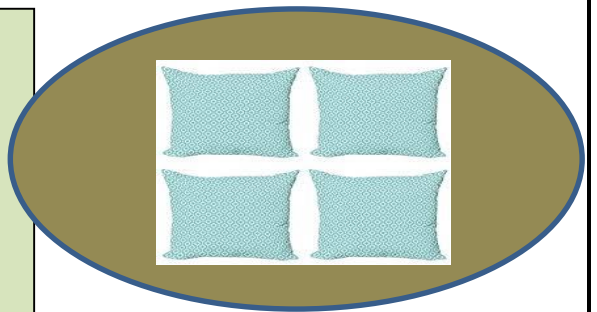
If a fish bowl has 8 fish , then 5 fish bowl ?

The equation =



If a bed has 4 pillows ,if one room has 2 beds, then how many pillows in 5 rooms ?

The equation =



If a packet of chocolate has 2 bars ,if one bar has 5 pieces , then how many pieces 7 chocolate ?

The equation =



Estimation and distribution

Example :-

$$\text{One tens} = 1 \times 10$$

$$\text{Eight tens} = 8 \times 10$$

$$\text{Seven fours} = 7 \times 4$$

$$\text{Three fives} = 3 \times 5$$

$$\text{Nine threes} = 9 \times 3$$

$$\text{Two sixes} = 2 \times 6$$

Choose :-

1) 16 fives = a) $(9 \times 5) + (7 \times 5)$

b) $(5 \times 10) + (5 \times 7)$

c) $(5 \times 6) + (5 \times 7)$

2) 13 fours = a) $(10 \times 4) + (5 \times 4)$

b) $(10 \times 4) + (3 \times 4)$

c) $(4 \times 9) + (4 \times 6)$

division and multiplication rules.

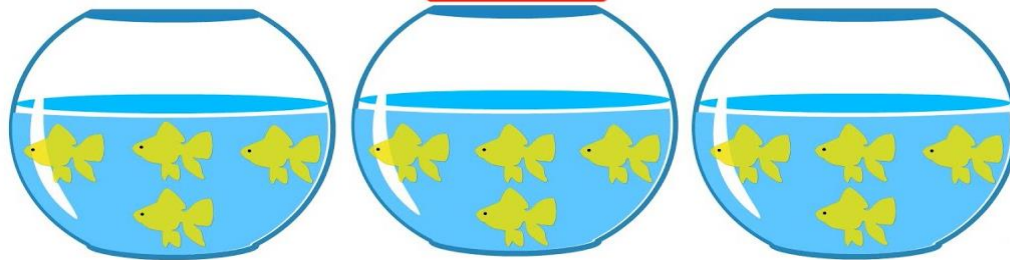
dividend **quotient**

↓ ↓

12 ÷ 3 = 4

↑


divisor



Multiplication strategies.

Skip counting . 2 , 4 , **6** , 8 , 10 ,

Repeated addition. $2+2+2 = 2 \times 3 =$ **6**

Array  $2 \times 3 = 6$

Multiplication properties.

Commutative $3 \times 4 = 4 \times 3 = 12$

Associative $2 \times 4 \times 5 = 2 \times (4 \times 5) = (2 \times 5) \times 4 = 40$

Answer the problem :-

[1] How many metres of cloth can be bought for 63 pounds if the price of one metre is 9 pounds?

.....

[2] Lorries are used to carry vegetables to the market. Once 48 kilograms of vegetables were carried by 12 lorries equally. How many were carried by each lorry?

.....

[3] How many plates are required to divide 24 pieces of sweets such that each plate would have three pieces?

.....

[4] A school made a journey to visit Dandara temple. If each pupil paid L.E 36 , then the total collection of the journey was L.E 432 . How many pupils went on the journey?

The number of the pupils = =

Complete :-

a) $(5 \times 2) \times \dots = 60$

b) $3 \times (6 \times \dots) = 36$

c) $9 \times (\dots \times 5) = 45$

d) $64 \times (17 \times \dots) = 0$

e) $10 \times (\dots \times 2) = 80$

f) $(3 \times 3) \times \dots = 99$

g) $(7 \times 4) \times \dots = 56$

h) $9 \times (22 \times \dots) = 22 \times 9$

If Sara walks every day 2 hours but in the last day she walks 4 hours .How many hours does she walk in 3 weeks?

.....

.....

Find the results :-

a) $23 \times 5 = \dots\dots\dots$

b) $112 \times 4 = \dots\dots\dots$

c) $510 \times 3 = \dots\dots\dots$

d) $69 \times 6 = \dots\dots\dots$

e) $723 \times 6 = \dots\dots\dots$

f) $(200 \times 8) + (50 \times 8) + (9 \times 8) = \dots \times \dots$

$= \dots\dots\dots + \dots\dots\dots + \dots\dots\dots = \dots\dots\dots$

g) $(100 \times \dots) + (40 \times \dots) + (6 \times \dots) =$

$$500 + 200 + 30 = \dots\dots\dots$$

Complete :-

a) $126 \div 9 = 14$, then * $126 \div \dots = 14$

b) $4 \times 18 = 72$, then * $72 \div 4 = \dots\dots$

c) $\dots\dots \div 15 = 8$, if $15 \times 8 = 120$

d) $12 \times \dots = 48$

e) $57 \div 19 = \dots\dots$

f) $84 \div 21 = \dots\dots\dots$

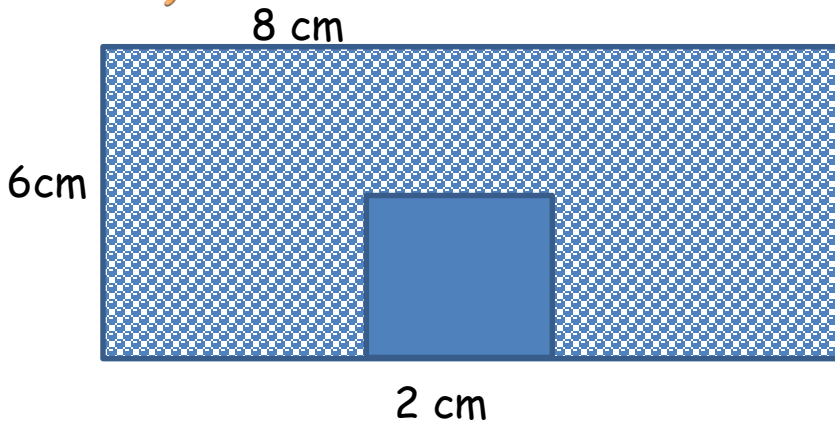
g) $32 \div 8 = \dots\dots\dots$

h) $16 \times 7 = \dots\dots\dots$

i) $701 \times 9 = \dots\dots\dots$

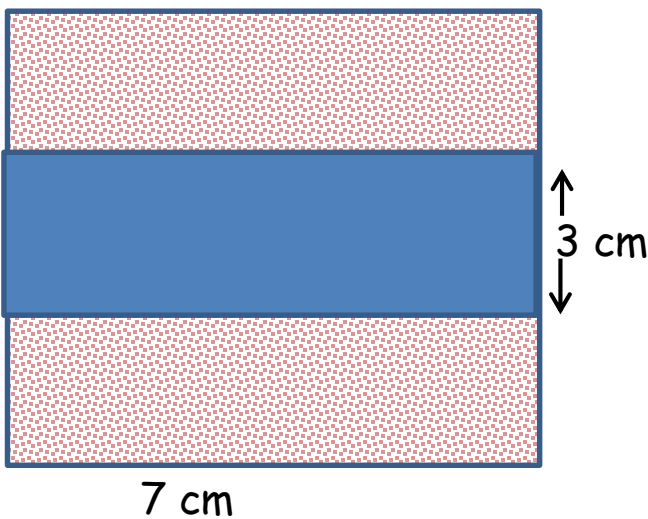
Find the area of shaded part :-

a)



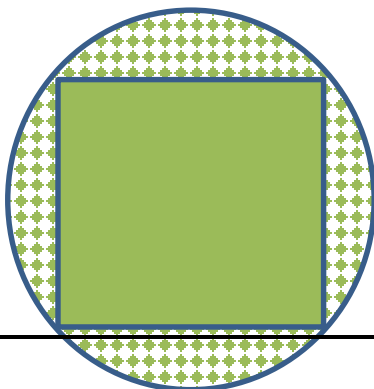
The area=

b)



The area=

c)



If the side of square is 5 cm and

the area of this circle = 40 cm^2

The area of shaded part =

CHAPTER 2

The meaning of fraction

Comparing fractions

Fraction as a part of unit

FRACTION AND TIME

Story problem around fraction

Fractions

a) If a boy wants to share one pizza with his friend.

Then each person will havepizza



b) If a mother wants to distribute one cake between 3 children. Then each person will have



c) If I want to share one pie apple between 3 persons.

Then each one of us will have



Fractions

One whole

1



One-half

2



One-third

3



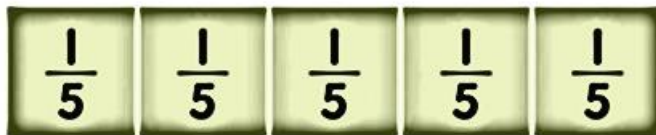
One-fourth

4



One-fifth

5



One-sixth

6



One-eighth

8



One-tenth

10



One-twelves.

12



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Unit fraction Its proper fraction its numerator=1

ANSWER

1) If Joly wants to distribute equally one bar of candy into parts , one part to her brother and another 1 part to her sister , four parts to her parent finally one part to herself. So write the fraction that represent each part ?



The fraction =.....

2) Dina had a loaf of bread per week, she ate every day one piece with same size. Write the fraction that represent one piece in a week.

The fraction =.....



3) A farmer wants to cut a big wooden role into 8 equal pieces ,write the fraction that represent each piece .

The fraction =.....



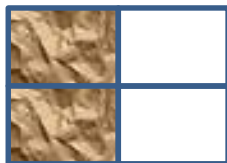
4) Maha had a chocolate , if she ate every day one column write the fraction that represent each column .

The fraction =.....

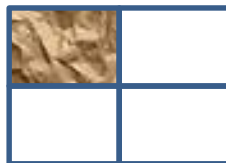
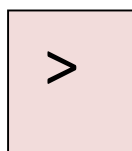
How many days did she take to eat this chocolate ?



Look carefully then, which shaded part is greater?



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



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

Put < , = , > :-

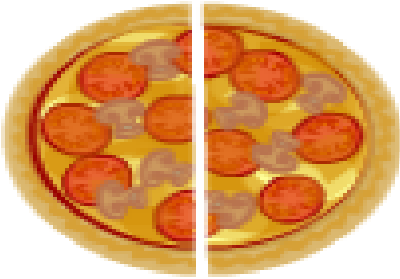
a) $\frac{1}{2}$ $\frac{1}{3}$

b) $\frac{1}{4}$ $\frac{1}{5}$

c) One $\frac{1}{8}$

d) $\frac{1}{10}$ of watermelon two watermelon

Is any half are equal ?



$\frac{1}{2}$ pizza

>



$\frac{1}{2}$ lemon

Tick (✓) on the greater :-

- a) Half an hour half a week .
- b) Quarter of a loaf of bread quarter of large pizza.
- c) Third of a watermelon third of an apple.
- d) Half of a KG half of a gram
- e) Third of a year third of a month.

Hours and minutes.

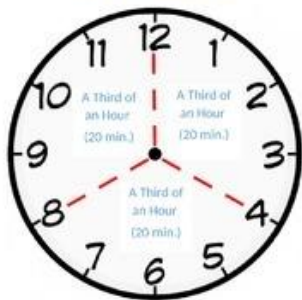


Quarter of an hour = 15 min

One-Third of an Hour

(60 minutes)

20 minutes



Third of an hour = 20 min

$$60 \text{ MINUTES} \div 3 = 20$$

Half-Hour



half of an hour = 30 min

Take care : one hour = 60 min.

Answer the problems.

- 1) Mariam wants to bake a cake ,she takes a quarter hour in preparing the contains and $\frac{1}{2}$ hour in baking. Then how many minutes does she take to finish it ?

The total time = = min.

- 2) Farah started to walk every day ,first day she walk $\frac{1}{4}$ hour , second day third hour, third day half hour . what is the total time in minutes did she walk in 3 days ?

The total time = = min.


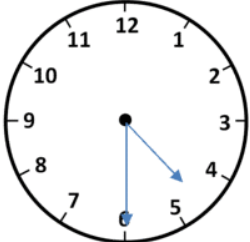
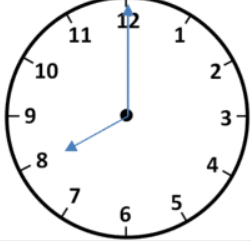
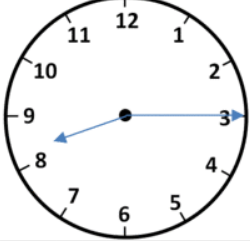
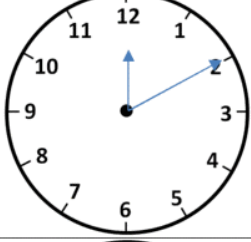
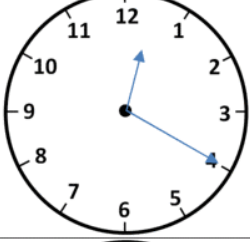
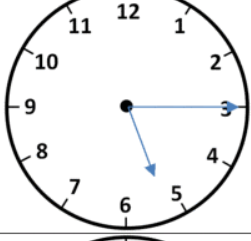


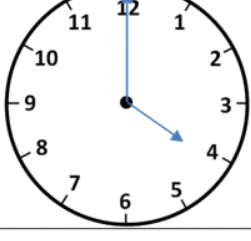
- 3) Ramy had one hour to do his mission , if he finish a part of it in third hour . What is the left time to finish his mission ?

The time were left = = min.

Complete :-

- a) 1 day = hours.
- b) 1 hours = minuets.
- c) 2 days = hours.
- d) Half an hour = minutes.
- e) 2 hours and half = minutes
- f) 48 hours = Days.
- g) 100 minutes = hour, minutes.
- h) 20 minutes = hours.
- i) 75 min. = hours , minutes.
- j) 90 minutes = hour +hour.

Work out the elapsed time between the times on the two clocks.

	TO		_____ minutes
	TO		_____ minutes
	TO		_____ minutes
	TO		_____ minutes
	TO		_____ minutes

Write how much time has elapsed. .



1. Elapsed Time: _____



2. Elapsed Time: _____



3. Elapsed Time: _____



4. Elapsed Time: _____



5. Elapsed Time: _____



6. Elapsed Time: _____



7. Elapsed Time: _____



8. Elapsed Time: _____

Complete the table below.

Start Time	End Time	Elapsed Time
	12:33 P.M.	1 Hours & 33 Minutes
	7:35 A.M.	3 Hours & 15 Minutes
3:00 A.M.	4:34 A.M.	
	10:34 P.M.	2 Hours & 34 Minutes
10:40 A.M.	2:16 P.M.	
1:00 P.M.	3:55 P.M.	
	9:46 P.M.	3 Hours & 26 Minutes
5:00 P.M.	8:38 P.M.	

$$\text{If } \frac{3}{3} = 3 \div 3 = 1$$

$$\text{So we can say one whole} = \frac{5}{5} = \frac{8}{8} = \frac{3}{3} = \dots$$

That means : one pizza can divide into 5 pieces or 8 pieces or 3 pieces. At any way it still will be
One pizza !

Complete :-

a) $1 = \frac{\dots}{2} = \frac{5}{5} = \frac{\dots}{10} = \frac{15}{\dots}$

b) There are eighths in the whole one.

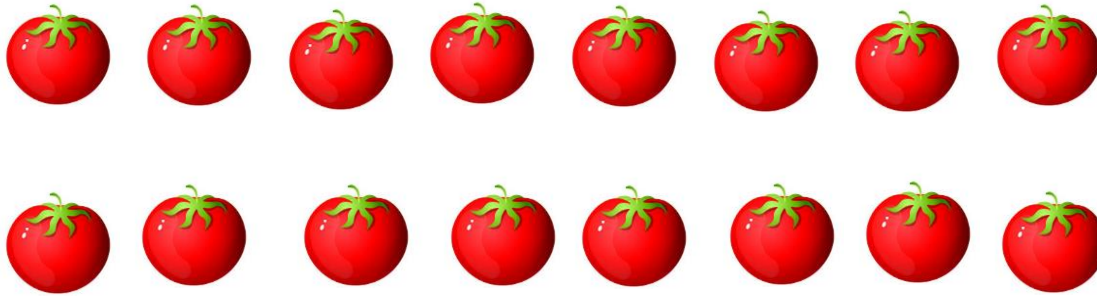
c) $1 = 3$ (.....)

d) There are fifths in the whole one.

e) There are nine in one whole.

f) $36 \div 36 = \frac{7}{\dots}$

g) $\dots - 5 = \frac{13}{13}$



If we want to divide these tomatoes into 2 halves.

Then half of 16 = $\frac{1}{2} \times 16 = 8$ tomatoes.

That means $16 \div 2 = 8$ tomatoes.

Complete :

a) Divide 24 oranges into fourth.

.....or

b) What is the third of 30 pens ?

.....or

C) If distance between Cairo and Alex is 240km, and the distance between Cairo and Wadi Elnatron = half the distance between Cairo and Alex = km

Answer

a) If Jasmin had 300 pounds , she paid one tenth of money to a charity. Finally she saved the remainder .

What is the remainder ?

.....
.....
.....

b) If Ahmed walk one hour every day, Bavily walk half hour and Sandy walk third hour .

*What is the total time do they walk?

..... =min.

* What is the difference between the time of walking of Ahmed and Sandy.

..... =min.

Chapter 3

Arrange fractions.

Fractions on number line.

Comparing fractions have same denominator or same numerator .
Comparing fractions have same denominator or same numerator .

Many problems around fractions.

Adding and subtracting fractions.

Answer :-

[1] Arrange the following fractions in an ascending order:-

$$\frac{8}{13}, \frac{4}{13}, \frac{9}{13}, \frac{5}{13}$$

The order is , , ,

[2] Arrange the following fractions in an ascending order:-

$$\frac{3}{8}, \frac{1}{8}, \frac{7}{8}, 1$$

The order is , , ,

[3] Arrange the following fractions in a descending order:-

$$\frac{12}{12}, \frac{1}{12}, \frac{10}{12}, \frac{5}{12}$$

The order is , , ,

[1] Arrange these fractions in an ascending order, then answer:-

$$\frac{1}{3}, \text{ half}, \frac{7}{7}, \frac{2}{8}$$

The order :,,,

- a) one whole =
- b) one fourth =
- c) one part of three =

[3] Arrange the following fractions in a descending order:-

$$\frac{10}{11}, 1, \frac{5}{11}, \frac{15}{12}$$

The order :,,,

[1] Arrange these fractions in an ascending order,

$$\frac{3}{11}, 1, \frac{3}{5}, \frac{3}{7}$$

The order :,,,

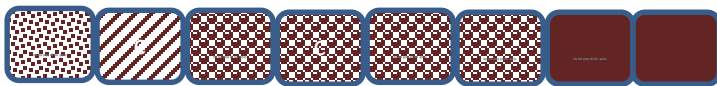
Answer

a) How many half are there in whole one?


b) How many fifths are there in whole one?


c) How many thirds are in whole one?


Write the fraction:-



a)  =

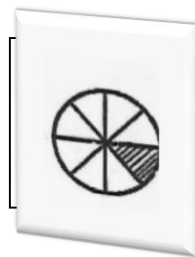
b)  =

c)  =

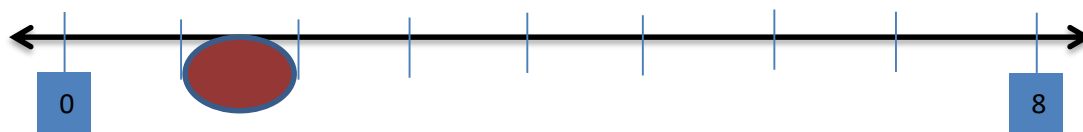
d)  =

We can represent the pervious exercise in many way ,

No a) $\frac{1}{8}$ or one eighth or



Or



Represent each of these fractions in number line.

a) $\frac{1}{4}$



b) $\frac{2}{3}$



c) $\frac{5}{8}$



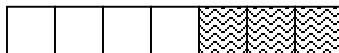
d) $\frac{3}{6}$



Arrange in asec : , , ,

c[1] Write the fraction in the following:-

a) $\frac{\dots}{\dots}$ and it is read



b) $\frac{\dots}{\dots}$ and it is read



c) $\frac{\dots}{\dots}$ and it is read



[2] Write the fraction

1) Four fifths = $\frac{\dots}{\dots}$

2) Three fourths or three quarter = $\frac{\dots}{\dots}$

3) One quarter = $\frac{\dots}{\dots}$

4) Six - sevenths = $\frac{\dots}{\dots}$

5) Two third = $\frac{\dots}{\dots}$

Complete the following

a) $\frac{11}{18} + \dots = \frac{15}{18}$

b) $\frac{5}{7} - \frac{3}{7} = \dots$

c) $\frac{8}{15} - \frac{2}{15} = \dots$

d) $\frac{1}{5} + \frac{3}{5} = \dots$

e) $1 = \frac{5}{7} + \dots$

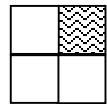
f) $\frac{2}{9} + \frac{4}{9} + \dots = 1$

Write the following fraction

a) Five tenths =

b) Three sevenths =

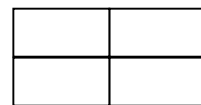
c) Express the shaded part in the form of a fraction =



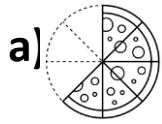
d) Ahmed bought a pen for $\frac{1}{4}$ pound. He had one pound with him.

How much remained with Ahmed?

e) Colour the parts of this shape to express the fraction $\frac{3}{4}$



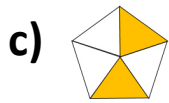
Choose :-



$$\left[\frac{1}{4}, \frac{5}{7}, \frac{3}{8} \right]$$

b) $\frac{1}{4} + \frac{3}{4} = \dots\dots$

$$\left[4, 1, \frac{4}{8} \right]$$



$$\left[\frac{2}{6}, \frac{2}{5}, \frac{5}{5} \right]$$



$$\left[\frac{3}{4}, \frac{5}{4}, \frac{4}{4} \right]$$

e) $\frac{4}{11} - \frac{3}{11} = \dots\dots$

$$\left[\frac{1}{11}, \frac{7}{11}, \frac{1}{22} \right]$$

Find :-

a) $\frac{1}{4} + \frac{2}{4} = \dots\dots$

b) $\frac{8}{10} - \frac{5}{10} = \dots\dots$

c) $1 - \frac{6}{7} = \dots\dots$

d) $\frac{3}{5} + \frac{1}{5} = \dots\dots$

e) one whole - seven ninth =

f) Three fourth - $\frac{1}{4} = \dots\dots$

[1] Arrange the following fractions ascending:-

$$\frac{5}{7}, \frac{3}{7}, \frac{6}{5}, \frac{4}{4}$$

The order : , , ,

[2] A) Choose the correct answer:-

a) $\frac{3}{7} = \dots\dots\dots$ $[(\frac{1}{7} + \frac{2}{7}), \frac{4}{6}, (1 - \frac{2}{7})]$

b)  $[\frac{1}{2}, \frac{2}{8}, \frac{2}{6}]$

c) $\frac{5}{6} + \dots\dots\dots = 1$ $[6, \frac{1}{6}, \frac{2}{6}]$

B) Arrange in descending order:-

$$\frac{4}{10}, \frac{10}{10}, \frac{8}{10}, \frac{6}{10}$$

The difference between the greatest and the smallest

= =

Chapter 4

Reviewing around division

Problems.
Problems.

Equal fraction.

Area & perimeter .

Think, and then answer.

If $9 \times 8 = 72$ then

$$72 \div \dots = 9$$

$$\dots \div 9 = 8$$

If $\dots \times \dots = 36$ then

$$\dots \div \dots = \dots$$

$$\dots \div \dots = \dots$$

If $24 \div \dots = 8$

then

$$\dots \times \dots = \dots$$

If $\dots \div 7 = 5$

then

$$\dots \times \dots = \dots$$

find

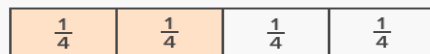
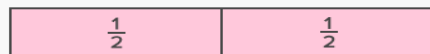
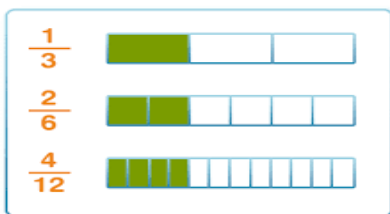
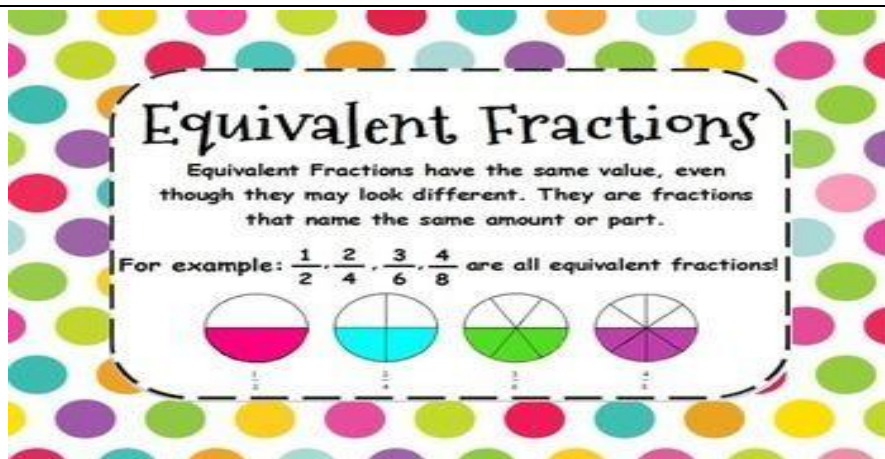
a) $55 \div 11 = \dots$

b) $108 \div 9 = \dots$

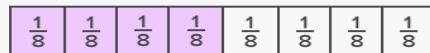
c) $104 \div \dots = 8$

d) $48 \div 12 = \dots$

e) $700 \div 7 = \dots$



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



Equivalent Fraction

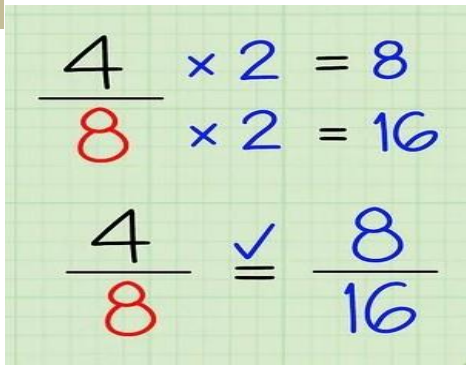
$\frac{1}{2}$ Is equivalent to $\frac{2}{4}, \frac{3}{6}, \frac{4}{8}, \frac{5}{10}, \frac{6}{12}, \frac{7}{14} \dots$

$\frac{1}{3}$ Is equivalent to $\frac{2}{6}, \frac{3}{9}, \frac{4}{12}, \frac{5}{15}, \frac{6}{18}, \frac{7}{21} \dots$

$\frac{1}{4}$ Is equivalent to $\frac{2}{8}, \frac{3}{12}, \frac{4}{16}, \frac{5}{20}, \frac{6}{24}, \frac{7}{28} \dots$

$\frac{1}{5}$ Is equivalent to $\frac{2}{10}, \frac{3}{15}, \frac{4}{20}, \frac{5}{25}, \frac{6}{30}, \frac{7}{35} \dots$

How we can solve the problems?



Equivalent Fractions

$$\frac{5}{8} = \frac{?}{24}$$

$$\frac{3}{?} = \frac{15}{20}$$

$$\frac{4}{7} = \frac{?}{21} = \frac{32}{?}$$

Complete

a) $\frac{1}{2} = \frac{\dots}{4}$

b) $\frac{3}{6} = \frac{18}{\dots} = \frac{\dots}{30}$

c) $\frac{3}{4} = \frac{6}{\dots}$

d) $\frac{5}{9} = \frac{10}{\dots}$

e) $\frac{3}{5} = \frac{6}{\dots} = \frac{\dots}{15} = \frac{12}{\dots}$

f) $\frac{30}{45} = \frac{6}{\dots}$

g) $\frac{7}{28} = \frac{1}{\dots}$

h) $\frac{15}{30} = \frac{5}{\dots}$

i) $\frac{1}{4}$ is equivalent to

j) one whole = third.

k) one eighth is equivalent tofourth.

Choose

a) $\frac{1}{2} = \dots\dots\dots$

[$\frac{1}{10}, \frac{5}{10}, \frac{5}{100}$]

b) $\frac{1}{3} = \frac{\dots\dots}{\dots\dots}$

[$\frac{3}{6}, \frac{2}{6}, \frac{4}{4}$]

c) $\frac{3}{4} = \frac{\dots\dots\dots}{\dots\dots\dots}$

[$\frac{8}{12}, \frac{5}{8}, \frac{6}{8}$]

d) $\frac{3}{8} \square \frac{3}{5}$

[< , = , >]

e) Four sevenths =

[$\frac{7}{4}, 47, \frac{4}{7}$]

f) $40 \div 8 \square 20 \div 4$

[< , = , >]

g) is one of length measuring units

[gram , metre , minute]

h) 36 hours \square two days.

[< , = , >]

i) $\frac{2}{5} + \frac{3}{5} = \dots\dots\dots$

[$\frac{1}{5}, 1, \frac{5}{10}$]

j) $\frac{8}{9} - \frac{7}{9} \square \frac{2}{9}$

[< , = , >]

k) $1 = \frac{\dots\dots}{15}$

[10 , 3 , 15]

l) The fraction that represents shaded part is



[$\frac{1}{4}, \frac{3}{4}, \frac{1}{3}$]

m) The perimeter of square whose side length is 5 cm. = cm.

[15 , 20 , 25]

Choose

- a) 1 day = hours. [60 , 24 , 12]
- b) $501\,400 + 262\,300 = \dots\dots$ (estimate) [900 000 , 700 TH , 600 000]
- c) $30 \times 40 = 100 \times \dots\dots\dots$ [12 , 34 , 1200]
- d) Half of an hour and an hour = [60 , 95 , 90]
- e) $\frac{4}{7}$ $\frac{4}{9}$ [< , = , >]
- f) metre = 900 cm. [9 , 90 , 100]
- g) $700 \div 7 = \dots\dots\dots$ [100 , 101 , 110]
- h) $7 + 7 + 7 = 7 \times \dots\dots\dots$ [2 , 3 , 4]
- i) 3 weeks = days. [11 , 14 , 21]
- j) Four fives = [$\frac{5}{4}$, 20 , $\frac{4}{5}$]
- k) The area of the square whose side length is 7 cm =cm². [49 , 24 , 36]
- l) $6 \times 60 = \dots\dots\dots$ [36 , 36 tens , 3600]
- m) $\frac{1}{4}$ is equivalent to eighths . [5 , 2 , 4]
- n) $1 - \frac{5}{8} = \dots\dots\dots$ [$\frac{5}{8}$, $\frac{13}{8}$, $\frac{3}{8}$]
- o) Three hundred forty two thousand , five hundred and ten . (in digit)
[340 510 , 242 510 , 342 510]

Complete

a) $1000 \times \dots\dots\dots = 7000$

b) Three tenths = $\frac{\dots\dots}{\dots\dots}$

c) $\frac{1}{2} = \frac{\dots\dots}{10}$

d) The perimeter of any polygon equals the $\dots\dots\dots$ of its side lengths.

e) $\frac{3}{5}$ is read as $\dots\dots\dots$

f) The perimeter of square = $\dots\dots\dots \times 4$

g) Calculate the perimeter of triangle if its side lengths are 3cm , 4cm and 5cm.

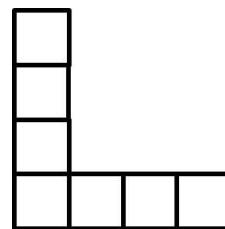
The perimeter = $\dots\dots\dots$ cm.

h) The area of the shape  = $\dots\dots\dots$ 

[3] A) From the opposite figure

The perimeter of the figure = $\dots\dots\dots$ units.

The area of the figure = $\dots\dots\dots$ 



Choose

- a) $9 \times 302 = 2710 + \dots\dots\dots$ [6 , 8 , 9]
- b) 2 thirds = $\dots\dots\dots$ [$\frac{3}{2}$, 2 , $\frac{2}{3}$]
- c) The fraction that represents one day of a week = $\dots\dots$ [$\frac{1}{4}$, $\frac{1}{7}$, 1]
- d) $\frac{10}{13} \square \frac{21}{13}$ [< , = , >]
- e) $45 \div \dots\dots\dots = 5$ [9 , 6 , 3]
- f) An hour and 25 min. = $\dots\dots\dots$ min. [60 , 35 , 85]
- g) $5 \times 7 \times 100 = \dots\dots\dots \times 10$ [35 , 5 , 350]
- h) 3 weeks \square 25 days [< , = , >]
- i) The greatest fraction is $\dots\dots\dots$ [$\frac{1}{6}$, $\frac{1}{4}$, $\frac{1}{2}$]
- j) $900 \div 3 = \dots\dots\dots$ [100 , 300 , 600]
- k) $500 \div 5 \square 10 \times 10$ [< , = , >]
- l) The time between Cairo and Tanta by car estimates by $\dots\dots\dots$
[hours. , minutes. , days .]
- m) The number of days in a year is $\dots\dots\dots$ [3600 , 365 , 370]

Complete

a) $(88 - 80) \times 300 = \dots\dots\dots$

b) $1 - \dots\dots\dots = \frac{6}{10}$

c) $93 \times \dots\dots\dots = 9300$

d) $28 \div 7 = \dots\dots\dots$

e) $279 \times 4 = \dots\dots\dots$

f) One year and half = $\dots\dots\dots$ months.

g) Which is the smallest fraction $\frac{6}{7}$ or $\frac{3}{5}$ $\dots\dots\dots$

h) If the area rectangle = 45 cm^2 and its length is 9 cm then its width = $\dots\dots$ cm

Fatema bought 690 pencils for 5 pounds each. Find the price of pencils.

The price of pencils = $\dots\dots\dots$ = $\dots\dots\dots$ pounds.

Chapter 5

Drawing many shapes.

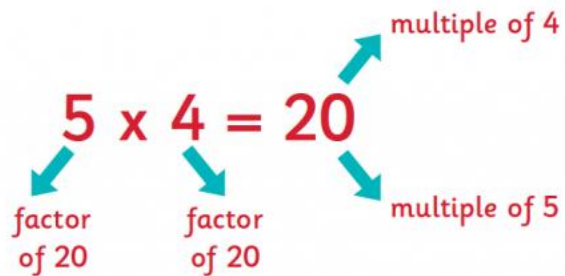
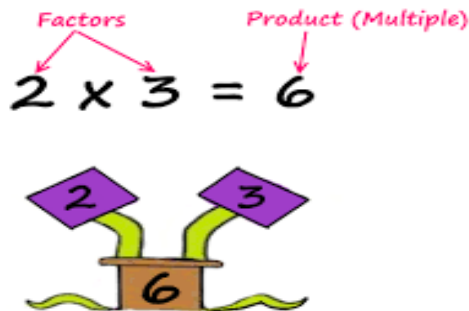
Relation between area & perimeter
Relation between area & perimeter

Same perimeter in different polygons

Reviewing "multiplication & division & their properties"

Different story problems
Different story problems

Do you remember?



Complete :-

- A) The factors of 21 are ,
- B) The product of 6 & 4 is
- C) Can be one of the multiple of 3
- D) If one of the factors of 36 is 4 then other factor =
- E) is one of multiple of " 2 " its unit is zero and less than 12
- F) $8 \times \dots = 64$
- G) $\dots \div 5 = 9$
- H) If the product of two numbers are 24 and the sum of its factors is 11 then the factors are ,

Try to solve !

- a) If Nora wants to distribute 24 tomatoes in 3 baskets, each basket has two bags. What is the number of tomatoes in each bag?
-
- b) Sandra bought 700 gm of nuts in a day and second day 500 gm of nuts. She wants to divide all of nuts in two boxes, then how many grams in each box?
-
-
- c) Youssef walked in one day $\frac{1}{4}$ hour in next day $\frac{1}{3}$ hour , in third day $\frac{1}{2}$ hour. How many minutes did he walk in three days ?
-
- d) Gana ate $\frac{1}{7}$ of a pizza , her sister ate $\frac{3}{7}$ of it .
- What is the remainder ?.....

.....

Drawing rectangle & square !

[1] Draw line segment $XY = 5\text{cm}$.

.....

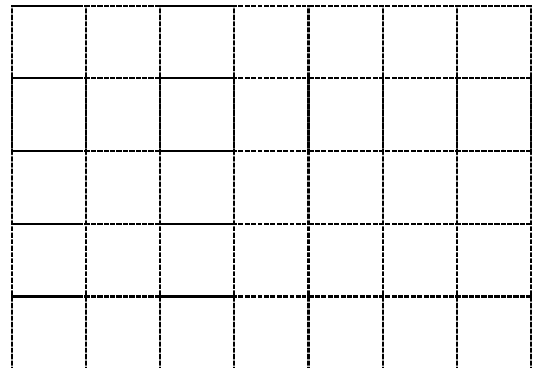
[2] Draw line segment $PQ = 4\text{cm}$.

.....

[3] Draw a square $ABCD$ with side length 5 cm .

Its per =

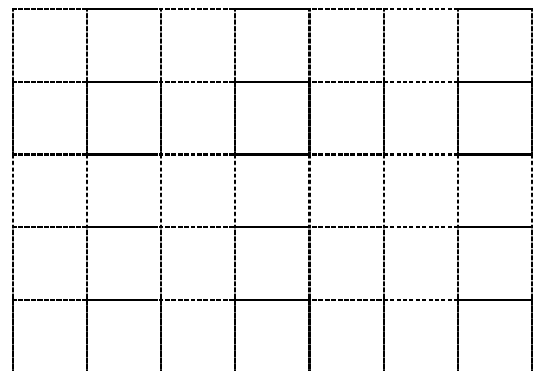
Its area =

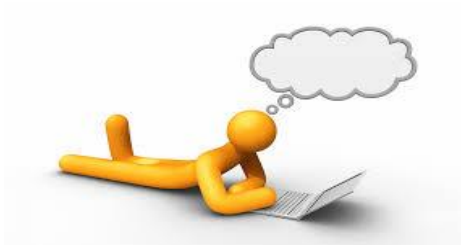


[4] Draw the rectangle $XYZL$ in which $XY = 5\text{cm}$, $YZ = 3\text{ cm}$.

Its per =

Its area =





Think with me !

If a rectangle its dimention is 6 , 4
then his perimeter = $6 + 4 + 6 + 4$ or $2 (6 + 4) = 20$ cm.

If a square its side length 5 cm. then his perimeter
= $5 + 5 + 5 + 5$ Or $5 \times 4 = 20$ cm.

Find :

- a) If a rectangle its width = 5 cm and his perimeter equals to
perimeter of square its side length is 6 cm.

Then the length of rectangle !

- b) If the perimeter of a rectangle = 32 cm , can this perimeter
equals to the perimeter to regular octagon ?

And why ?

c) If the area of a rectangle = 45 cm^2 , his length is 5 cm then find its perimeter

.....

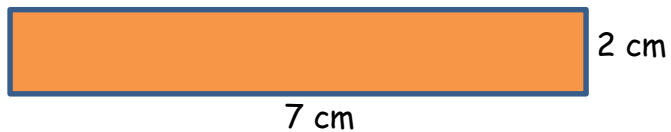
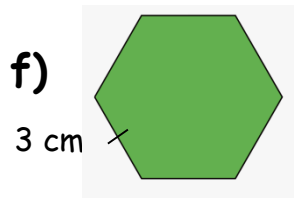
d) If the area of a rectangle = 30 cm^2 , his length is 5 cm then
If the perimeter of a regular hexagon and this rectangle are equal. Find the perimeter of this hexagon .

.....

.....

e) If a perimeter of a regular pentagon and a square are equal , the side length of the square is 10 cm. what is the side length of this pentagon ?.....

.....



Compare between the perimeter of these shapes , write your notice.

.....

Chapter 6

Revision on addition & subtraction

Value & place value

Many problems on fraction & time

Answer

1) A box contains 12 balls, 5 balls are white, 4 balls are red and 3 balls are black.

Write the fraction that represents each of the following :

- a) The red ball =
- b) The white ball =
- c) The black ball =
- d) The white or black ball =
- e) The ball is not white =

2) A fruit seller have many fruits all of them 100 kg . 15kg strawberry , 25kg orange , 40 kg banana and the rest is peach .

Write the fraction that represents each of the following :

- a) Strawberry and orange =
- b) Peach =
- c) The greatest amount of fruits =
- d) Apple =

3) In a school there are 300 girls and 200 boys.

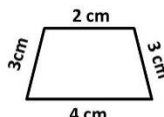
Write the fraction that represents each of the following :

- a) The number of boys =
- b) The numbers of girls =

c) The number of all students =

COMPLETE

a) One year = month.

b) The perimeter of the polygon  = cm.

c) The fraction that represent twenty minutes of an hour

d) Two hours and a quarter = min.

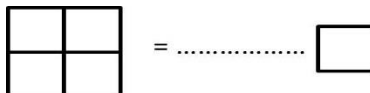
e) \div 9 = 6

f) 2 , 4 , 8 , , in the same pattern.

g) $5 \times \dots \times 10 = 450$

h) $\frac{2}{3} = \frac{\dots}{12}$

i) The area of this figure



CHOOSE

a) 3 day = hours.

[(24 × 1) , (24 × 3) , 24]

b) Ten fives =

[15 , $\frac{10}{5}$, 50]

c) $50 \times 40 = 100 \times$

[20 , 90 , 100]

d) 6kg. 60 gm.

[< , = , >]

e) $8 \times 80 =$

[64 , 640 , 6400]

f) + ++ = 8×4

[8 , 3 , 4]

g) 5 weeks = days.

[14 , 35 , 21]

h) Four fifths =

[$\frac{5}{4}$, 45 , $\frac{4}{5}$]

i) $\frac{4}{7}$ $\frac{4}{9}$

[< , = , >]

j) $700 \div 7 =$

[100 , 101 , 110]

k) $300 \div 300 =$



[9 , 1 , 10]

l) $1 - \frac{8}{8} =$

[$\frac{5}{8}$, $\frac{13}{8}$, 0]

m) The perimeter of the square whose side length is 9 cm=cm.

CHOOSE

- a) $650\ 312 = \dots\dots + 312$ [650 , 650 000 , 65 000]
- b) 40 , 35 , 30 , 25 , 20 , [65 , 35 , 15]
- c) The measure length of a book is approximately [2 mm , 1 cm , 15 cm]
- d) four hundred fifty six thousand and thirty six = [456 206 , 465 036 , 456 036]
- e) The place value of 9 in 291 610 is [900 000 , thousand , TTH]
- f) Half of an apple  half of a watermelon [< , = , >]
- g)  The fraction that represents a circle is ... [$\frac{3}{5}$, $\frac{1}{5}$, $\frac{5}{5}$]
- h) The value of 2 in 472 600 is [200 , 20 , 2 Th]
- i) Three sevens = [73 , 21 , 10]
- j) Rose started walking at 3:00 till 4:15 , then the total time is mins
[60 , 50 , 75]