

Q1: Choose the correct answer :-

- 1 Which choice represent this model.

2	2		2	2	2	2
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- (a) $(2 \times 4) + (2 \times 2)$ (b) $(2 \times 3) + (2 \times 6)$ (c) $(1 \times 3) + (2 \times 4)$ (d) $(2 \times 2) + (2 \times 6)$
- 2 $(5 \times 2) \times 4 = (5 \times \dots) \times 2$
- (a) 2 (b) 4 (c) 5 (d) 6
- 3 $2 \times 6 \times 3 = 2 \times (3 \times \dots)$
- (a) 2 (b) 4 (c) 5 (d) 6
- 4 Choose the equation that has the same value as $(9 \times 2) \times 5$
- (a) 9×5 (b) $9 \times (2 \times 5)$ (c) $10 \times 9 + 2$ (d) $9 \times 2 + 5$
- 5 $7 \times 5 = (7 \times 4) + (7 \times 1)$
- (a)

7	7	7	7	7
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 (b)

7	7		7	7	7
---	---	--	---	---	---

 (c)

7	7	7		7	7
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 (d)

7	7	7	7		7
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- 6 $2 \times 16 = \dots$
- (a) $2 \times (10 + 5)$ (b) $2 \times (16 \times 0)$ (c) $2 \times (15 + 2)$ (d) $2 \times (10 + 6)$
- 7 How many legs are there in 9 cats?
- (a) 9×4 (b) 4×10 (c) 5×4 (d) 2×4
- 8 Use the estimation to find 8×12
- (a) 130 (b) 96 (c) 80 (d) 60

- 9 $5 \times 6 \times 3 = \dots\dots\dots$
- (a) 8×3 (b) $3 \times (5 \times 6)$ (c) 3×5 (d) $3 \times (6 - 5)$
- 10 The actual product for: 9×8
- (a) 63 (b) 71 (c) 64 (d) 72
- 11 $2 \times 4 \times \dots\dots\dots = 40$
- (a) 6 (b) 5 (c) 8 (d) 9
- 12 $18 \div 2 = \dots\dots\dots$
- (a) 6 (b) 7 (c) 8 (d) 9
- 13 $\dots\dots\dots \div 4 = 10$
- (a) 20 (b) 40 (c) 30 (d) 50
- 14 $\dots\dots\dots \times 6 = 48$
- (a) 7 (b) 8 (c) 9 (d) 6
- 15 $35 \div 7 = \dots\dots\dots$, so $\dots\dots\dots \times \dots\dots\dots = 35$
- (a) 7×7 (b) 8×7 (c) 5×7 (d) 9×7
- 16 $72 \div \dots\dots\dots = 9$, so $9 \times \dots\dots\dots = 72$
- (a) 6 (b) 5 (c) 8 (d) 9

17 A square it's perimeter = 36cm , so $4 \times \dots = 36$

- (a) 6 (b) 4 (c) 8 (d) 9

18 Find the perimeter of the opposite figure .



- (a) $6 + 2$ (b) $2 \times (6 + 2)$ (c) 2×6 (d) $2 + 6 + 2$

19 Perimeter =18 m , so width=.....



- (a) 9 (b) 8 (c) 4 (d) 3

20 The perimeter of a square = side length \times

- (a) 8 (b) 5 (c) 4 (d) 6

21 The side length of the square whose perimeter 32cm =.....

- (a) 4 (b) 5 (c) 8 (d) 6

22 $10 \times 17 = \dots$


- (a) 17 (b) 170 (c) 107 (d) 1700

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

- (a) 20 (b) 40 (c) 60 (d) 50

24 $30 \div \dots = 5$

- (a) 7 (b) 8 (c) 9 (d) 6

- 25 There were 19 carrots, one rabbit ate 4 carrots and another 5 rabbits equally ate the rest, then each rabbit of them atecarrots.
- (a) 4 (b) 5 (c) 3 (d) 2
- 26 $63 \div \dots\dots\dots = 9$
- (a) 7 (b) 5 (c) 8 (d) 9
- 27 Find side length of square if its perimeter is 32 cm =.....
- (a) 6 cm (b) 8 cm (c) 7 cm (d) 9 cm
- 28 The estimation of 5×9 is
- (a) 50 (b) 90 (c) 40 (d) 45
- 29 The area of the square whose side length is 9 cm = sq.cm
- (a) 18 (b) 81 (c) 27 (d) 26
- 30 $4 \times 7 \times 2$ $5 \times 5 \times 6$
- (a) $>$ (b) $<$ (c) $=$ (d) other
- 31 $\frac{\dots}{\dots}$ of the shape  is colored
- (a) $\frac{1}{3}$ (b) $\frac{1}{4}$ (c) $\frac{4}{5}$ (d) $\frac{1}{6}$

32 $(2 \times 5) \times 6 = \dots\dots\dots$

a 3×6

b 10×6

c 7×6

d 25×6

33 $80 \div \dots\dots\dots = 8$

a 88

b 40

c 10

d 80

34 The perimeter of square = side length \times

a 4

b 2

c 1

d 3

35 $3 \times 4 \times 5 = 3 \times (4 \times \dots\dots\dots)$

a 5

b 4

c 3

d 2

36 If $24 \div 4 = 6$, then $\dots\dots\dots \times 6 = 24$

a 24

b 6

c 4

d 3

37 $10 \times 17 = \dots\dots\dots$

a 27

b 170

c 107

d 17

38 The perimeter of square of side length 10 cm is $\dots\dots\dots$ cm

a 20

b 10

c 30

d 40

39 $13 \times 5 = \dots\dots\dots$

a 50

b 55

c 60

d 65


40 Which is bigger?

a $\frac{1}{3}$ of an apple

b $\frac{1}{3}$ of a watermelon

41 The shape  is divided into equal parts.

- (a) 3 (b) 4 (c) 5 (d) 6

42  is divided into

- (a) halves (b) quarters (c) fifths (d) sixths

43 Number of fifths in one whole is

- (a) $\frac{1}{5}$ (b) 1 (c) 5 (d) 6

44  is divided into

- (a) 2 equal parts (b) 3 equal parts (c) 3 unequal parts (d) 4 equal parts

45 $\frac{1}{6} > \dots\dots\dots$

- (a) $\frac{1}{2}$ (b) $\frac{1}{5}$ (c) $\frac{1}{3}$ (d) $\frac{1}{7}$

46 One fifth =

- (a) $\frac{1}{4}$ (b) $\frac{1}{5}$ (c) $\frac{1}{3}$ (d) $\frac{1}{7}$

47 $\frac{1}{4}$ $\frac{1}{8}$

- (a) $>$ (b) $<$ (c) $=$ (d) other

48 $\frac{1}{5}$ One whole

- (a) $>$ (b) $<$ (c) $=$ (d) other



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Q2: Complete the following :-

1 $6 \times 15 = (6 \times 5) + (6 \times 10)$

2 $4 \times 2 \times 5 = 40$

3 The estimation of $3 \times 19 = 60$

4 The estimation of $3 \times 6 \times 7 = 150$ *Answer may vary*

5 $5 \times (3 + 7) = 50$

6 $7 \times 8 = 7 \times (3 + 5)$

7 The Area of the square = 64 square cm



8 The perimeter of rectangle = 2 × (length + width)

9 $2 \times 5 \times 8 = 80$

10 The colored part of the shape  is $\frac{1}{4}$

11 The shape  is divided into 2 halves

12 The number of thirds in one whole is 3

13 The fraction its numerator is 1 and its denominator is 4 is $\frac{1}{4}$

14 $\frac{1}{2} > \frac{1}{3}$ *Answer may vary*

15 $\frac{1}{4} < \frac{1}{3}$ *Answer may vary*

16 $\overline{)8} \dots \div 3 = 6$

17 $5 \times 2 \times 10 = \dots$

18 $(2 \times 3) \times \dots = 48$

19 $35 \div \dots = 7$

20 $\frac{1}{8} < \frac{1}{5}$ Answer may vary

21 One third $> \frac{1}{4}$ Answer may vary

22

5	5	5	5	5	5
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 = $\dots \times \dots$

23 The Length of the rectangle whose width is 6 cm and perimeter is 28 cm = \dots cm

Q3: Answer the following :-

1 Nour runs 20 minutes every day . How many minutes does Nour run in 6 days?

Estimation

Suppose 6 as 5

Then 5×20
= 100

Actual product

6×20
= 120 minutes

- 2 There are 3 bags, each bag holds 5 boxes, in each box there are 10 candies. How many candies are in all ?

$$3 \times 5 \times 10 = 150$$

- 3 A baker bakes 11 cakes in one hour. Estimate how many cakes he can bake in 8 hours.

Suppose 11 as 10

$$\text{number of cakes} = 10 \times 8$$

$$= 80 \text{ cakes}$$

- 4 use the distributive property to find the product.

a $4 \times 13 = \dots$

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

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

$$40 + 12 = 52$$

b $15 \times 6 = \dots$

$$(10 + 5) \times 6$$

$$(10 \times 6) + (5 \times 6)$$

$$60 + 30 = 90$$

- 5 Sami bought 4 toys, he paid 40 pounds. What is the price of one toy?

Equation: $40 \div 4 = 10 \text{ Pounds}$

- 6 Dina bought 3 pens for 12 pounds each. How much money did she pay ?

$$3 \times 12 = 36 \text{ Pounds}$$

- 7 Farah had 8 bags of marbles. Each bag had 6 marbles inside. How many marbles did Farah have altogether ?
Equation :

$$6 \times 8 = 48 \text{ marbles}$$

- 8 Bassem has 36 apples, he wants to pack each 4 apples in a bag. How many bags does he need ?

Equation:

$$36 \div 4 = 9 \text{ bags}$$

- 9 Ahmed brought home 2 boxes filled with bags of apples. Each box hold 3 bags with 5 apples in each. How many total apples did Ahmed bring home ? Write an equation and solve.

$$2 \times 3 \times 5 = 2 \times 5 \times 3 \\ = 10 \times 3 = 30 \text{ apples}$$

- 10 Use parentheses . Find the product .

a $2 \times 2 \times 5 = \dots\dots\dots$

$$(2 \times 5) \times 2 = 10 \times 2 = 20$$

b) $3 \times 7 \times 2 = \dots\dots\dots$

$(3 \times 2) \times 7 = 6 \times 7 = 42$

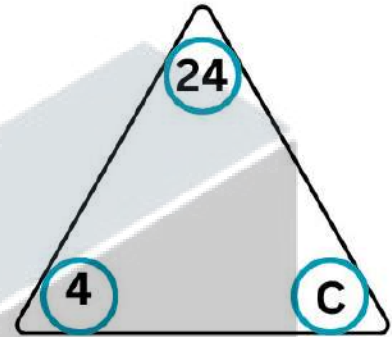
11

$24 \div 4 = 6$

$24 \div 6 = 4$

$4 \times 6 = 24$

$6 \times 4 = 24$



12

Find the length of the rectangle whose width is 5 m and perimeter is 22 m .

$\frac{P}{2} = L + W$ $\frac{22}{2} = 11 = L + 5$
 so $(L = 6m)$

13

Use the distributive property to find the product .

a) 8×13

$8 \times (10 + 3)$

$8 \times 10 + 8 \times 3$

$80 + 24 = 104$

b) 15×7

$(10 + 5) \times 7$

$10 \times 7 + 5 \times 7$

$70 + 35 = 105$

14

Find the width of the rectangle , length 5 cm and it's perimeter = 16 cm



$P = 2 \times (L + w)$, so, $\frac{P}{2} = (L + w)$

$\frac{16}{2} = 8 = 5 + w$, so, $(w = 3)$

- 15 Ameera built a fence for her garden which shaped like a square. She used 28 meters. What is the side length for Ameera's garden ?

$$P = sl \times 4, 28 = sl \times 4$$

$$\therefore \text{so } \boxed{sl = 7 \text{ cm}}$$

- 16 Karma stretched a tape of ribbon and made with it a rectangle of length 20 cm and perimeter 60 cm. Find the width of the rectangle.

$$\frac{P}{2} = L + w, \frac{60}{2} = 30$$

$$\therefore \text{so, } 30 = 20 + w, \boxed{w = 10 \text{ cm}}$$

- 17 Hany bought 4 kilograms of apple, the price of each kilogram is 9 pounds, Amjad bought 1 kilogram of mango for 25 pounds. How much money did they pay all together ?

$$\text{what Hany Paid} = 4 \times 9 = 36 \text{ Pounds}$$

$$\text{what Amjad Paid} = 1 \times 25 = 25 \text{ Pounds}$$

$$\text{together} = 25 + 36 = 61 \text{ Pounds}$$

- 18 Mohamed has 85 pounds. He gave his sister 45 pounds and the rest is shared with Mohamed and 4 of his friends. How much money does Mohamed have now ?

$$* \text{ The rest with Mohamed} = 85 - 45 = 40$$

$$\text{after giving her sister } 45$$

$$* \text{ what Mohamed has now } 40 \div 5 = 8 \text{ Pounds}$$

- 19 There are 17 crocodiles and 19 adult crocodiles. The crocodiles are placed equally into 4 areas. How many crocodiles are in each area ?

* Total number of crocodiles = $19 + 17 = 36$
 * number of croc. in each area
 $= 36 \div 4 = 9$

- 20 Put (T) or (F).

a $5 \times 7 = (5 \times 4) + (5 \times 5)$ ~~X~~ b $6 \times 8 = (6 \times 4) + (6 \times 4)$

- 21 Find side length of square if its perimeter is 48 cm .

$SL = \frac{P}{4} = \frac{48}{4} = 12 \text{ cm}$

- 22 Bassem bought 8 pens. He gave the seller 50 pounds and the seller gave him back 10 pounds as the rest. What is the price of each pen ?

what Bassem gave to the seller = $50 - 10 = 40$

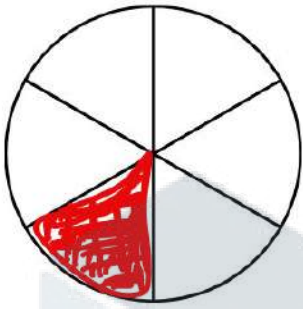
Price of each Pen = $\frac{40}{8} = 5$ Pounds

- 23 Adam bought 3 pizza slices of 9 pounds each. He paid 30 pounds. How much is the rest ?

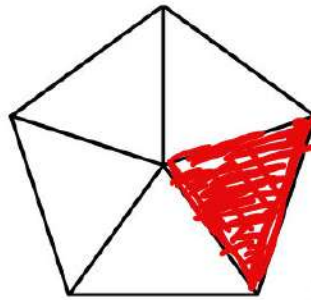
The Price of 3 slices = $3 \times 9 = 27$

The rest = $30 - 27 = 3$ Pounds

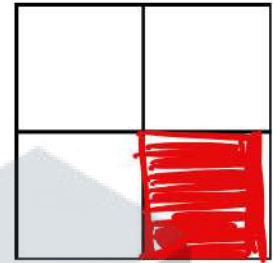
24 Color to show the fraction :



$$\frac{1}{6}$$

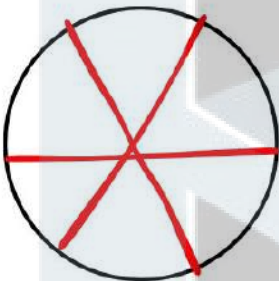


$$\frac{1}{5}$$

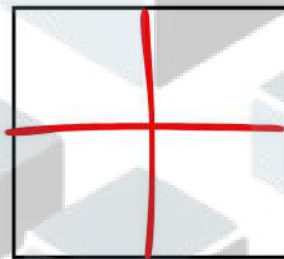


$$\frac{1}{4}$$

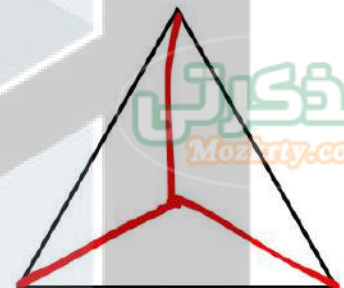
25 Divide the following shapes



Sixths



Fourths

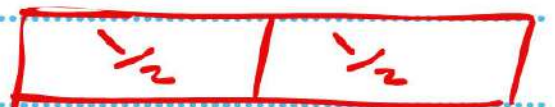


Thirds

26 Sami had a candy bar. He took two days to eat it and ate the same amount every day. On Monday he ate 1 piece. On Tuesday he ate 1 more piece. Which of your fraction pieces best matches the story? Draw and label it

The fraction is

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



candy bar

27 Complete using $>$, $<$, $=$:

a $\frac{1}{3}$ $>$ $\frac{1}{8}$

b $\frac{1}{6}$ $<$ $\frac{1}{4}$

d $\frac{1}{7}$ $<$ One third

c Half of a minute $<$ Half of an hour

28 Order the following fractions

a $\frac{1}{2}$, $\frac{1}{8}$, $\frac{1}{4}$

(In an ascending order)

a $\frac{1}{3}$, $\frac{1}{10}$, $\frac{1}{7}$, $\frac{1}{4}$

(In a descending order)

29 Bassem and Amgad ran on the track. Bassem ran $\frac{1}{5}$ of a kilometer and Amgad ran $\frac{1}{8}$ of a kilometer.

Who ran farther?

$\frac{1}{5} > \frac{1}{8}$
 So, Bassem ran farther