

بنك اسئلة

الصف
السادس
الابتدائي
٢٠٢٤

التميز

أ/ محمود سعيد

ELMotameyz Questions Bank

Math

February Revision

BY

MR . Mahmoud Elkhoully



نسخة
مجانية

ملق الإجابات
بالداخل



El.Motameyz.School

يمكنكم الحصول على المذكرات والاختبارات من خلال مسح رمز ال QR Code
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February Questions Bank



Question 01

Choose the correct answer

1 $\frac{5}{6} \times \dots = 1$

a 0

b $\frac{5}{6}$

c 1

d $\frac{6}{5}$

2 $6 \div \frac{1}{3} = \dots$

a 2

b 1

c 18

d $\frac{3}{6}$

3 $\frac{3}{2} \div \frac{1}{2} \dots \frac{1}{2} \div \frac{3}{2}$

a >

b <

c =

d other

4 $1.3 \times 2.3 = \dots$

a 0.299

b 299

c 2.99

d 29.9

5 $1.3 \times \dots = 130$

a 10

b 100

c 0.1

d 0.01

6 How many $\frac{3}{4}$ is are there in 9 oranges ?

a 3

b 12

c $1\frac{1}{3}$

d $\frac{1}{4}$

7 $3.5 \div 0.07 = \dots \div 7$

a 0.35

b 35

c 350

d 0.350

9 $\frac{1}{5}$ of 50 = ...

a 5

b 10

c 50

d 25

10 $2\frac{3}{4} \div \dots = 1$

a 11

b 8

c $3\frac{2}{4}$

d $\frac{11}{4}$

11 $\frac{1}{3} \div \frac{1}{6} \dots \frac{2}{5}$ of 5

a >

b <

c =

d other



- 12** The reciprocal of 4 is
- a** 0 **b** 4 **c** -4 **d** $\frac{1}{4}$
- 13** $0.044 \div 0.4 = \dots$
- a** 11 **b** 0.11 **c** 1.1 **d** 0.011
- 14** $273 \div 25 = 2.73 \div \dots$
- a** 25 **b** 2.5 **c** 0.25 **d** 0.025
- 15** $0.02 \times 0.6 = \dots$
- a** 0.012 **b** 0.12 **c** 12 **d** 1.2
- 16** $\frac{3}{7} = \frac{9}{\dots}$
- a** 15 **b** 27 **c** 21 **d** 63
- 17** $\frac{1}{3} \div \frac{1}{6} = \dots$
- a** 1 **b** $\frac{1}{2}$ **c** 2 **d** 3
- 18** 4:10 is equivalent to 8 :
- a** 10 **b** 2 **c** 4 **d** 20
- 19** $3.3 \times 3 \dots 33 \times 3$
- a** > **b** = **c** < **d** otherwise
- 20** $\frac{3}{5}$ The reciprocal of $\frac{1}{5}$
- a** > **b** = **c** < **d** otherwise
- 21** $8 \div \frac{4}{5} = \dots$
- a** $\frac{1}{8}$ **b** 10 **c** 8 **d** $\frac{1}{10}$
- 22** $\frac{4}{5} \times \dots = 1$
- a** $\frac{4}{5}$ **b** 4 **c** 5 **d** $\frac{5}{4}$
- 23** $\div 0.2 = 1.2$
- a** 24 **b** 0.24 **c** 2.4 **d** 0.024
- 24** $\frac{3}{5} \times \dots = \frac{1}{5}$
- a** 3 **b** $\frac{3}{5}$ **c** 5 **d** $\frac{1}{3}$



- 25 $\frac{1}{9}$ of 27 = ...
- a 3 b $\frac{1}{9}$ c 27 d $\frac{1}{27}$
- 26 $\dots \div \frac{1}{3} = 9$
- a $\frac{1}{3}$ b 3 c 27 d $\frac{1}{27}$
- 27 Ahmed scored 25 point in 3 basketball games, the ratio scored by Ahmed is.....
- a 75 : 3 b 3 : 75 c 25 : 3 d 3 : 25
- 28 $0.3 \times 0.1 \times 0.2 = \dots$
- a 6 b 0.6 c 0.06 d 0.006
- 29 The simplest form of 220 : 110 is
- a 22to 10 b $\frac{11}{22}$ c 2:1 d $\frac{1}{2}$
- 30 If 3:7 is equivalent to X:21 , then X = ...
- a 6 b 49 c 9 d 3
- 31 If the ratio between a and b is 2:3 and the sum of a and b is 35 , then a = ...
- a 21 b 5 c 4 d 14
- 32 Which of the following ratios is not equivalent to the three ratios ?
- a $\frac{4}{3}$ b $\frac{32}{24}$ c $\frac{16}{6}$ d $\frac{24}{18}$
- 33 If the ratio $\frac{3}{8}$ is equivalent to $\frac{15}{x-1}$, then x= ...
- a 25 b 40 c 9 d 41
- 34 Which of the following ratios are equivalent?
- a $\frac{3}{4}$ and $\frac{6}{9}$ b $\frac{2}{5}$ and $\frac{4}{10}$ c $\frac{12}{14}$ and $\frac{10}{28}$ d $\frac{2}{3}$ and $\frac{4}{9}$
- 35 If the ratio x : 4 is equivalent to 3:12 ,then x+3 = ...
- a 6 b 3 c 4 d 5
- 36 If the ratio between two numbers is 5:7 and the greater number is 21 , then the smaller number is
- a 12 b 4 c 10 d 15
- 37 If $\frac{18}{12} = \frac{6}{a}$, then a= ...
- a 3 b 4 c 24 d 2



- 38** To find the simplest form of the ratio 14:16 , we divide the two terms by ...
- (a) 3 (b) 6 (c) 2 (d) 14
- 39** From the opposite equivalent ratio, $b - a = \dots$
- | | | |
|---|----|----|
| 2 | a | 10 |
| 3 | 12 | b |
- (a) 12 (b) 7 (c) 15 (d) 22
- 40** $\frac{8}{10} \div \frac{2}{5} = \dots$
- (a) $\frac{3}{7}$ (b) 1 (c) $3\frac{9}{11}$ (d) 2
- 41** if $1 : a = 9 : 27$, then $a = \dots$
- (a) 3 (b) 12 (c) 5 (d) 9
- 42** which of the following are equivalent?
- (a) 5 : 6, 2 : 3 (b) 6 : 3, 1 : 2 (c) 3 : 9, 5 : 11 (d) 4 : 10, 6 : 15
- 43** $\dots \div 4 = 3\frac{1}{4}$
- (a) 3 (b) $\frac{3}{4}$ (c) $\frac{4}{3}$ (d) 12
- 44** $\frac{1}{3}$ of 24 = ...
- (a) 8 (b) 6 (c) $\frac{6}{4}$ (d) 2
- 47** How many $\frac{3}{5}$ are there in 9 Apples?
- (a) 15 (b) 3 (c) $1\frac{1}{3}$ (d) $\frac{1}{4}$
- 48** $\frac{45}{18} = \frac{\dots}{2}$
- (a) 5 (b) 9 (c) 3 (d) 2
- 49** Sarah has 3 green apples and 4 red apples, so The ratio between red apples and the total number of apples
- (a) 4 : 3 (b) 3 : 4 (c) 3 : 7 (d) 4 : 7
- 50** $\frac{8}{32} = \dots$
- (a) $\frac{4}{8}$ (b) $\frac{16}{64}$ (c) $\frac{1}{2}$ (d) $\frac{9}{33}$
- 51** if $\frac{15}{x} = \frac{5}{9}$, then $x = \dots$
- (a) 3 (b) 5 (c) 15 (d) 27



- 52 The reciprocal of 6 is
- (a) 0 (b) 6 (c) -6 (d) $\frac{1}{6}$
- 53 If $a \times b = c$, then $c \div b = \dots\dots\dots$, where a and b doesn't equal zero
- (a) $b \times a$ (b) c (c) a (d) b
- 54 if $7 : 13 = x : 52$, then $x = \dots$
- (a) 14 (b) 21 (c) 28 (d) 35
- 55 $0.37 \times 0.1 = \dots$
- (a) 3.7 (b) 37 (c) 0.370 (d) 0.037
- 56 If $\frac{2}{5} = \frac{x}{15}$, then $x = \dots$
- (a) 2 (b) 4 (c) 6 (d) 12
- 57 $\dots \div 0.4 = 0.5$
- (a) 20 (b) 0.20 (c) 2 (d) 0.020
- 58 $3.1 \times 0.4 \dots 3.1 \times 4$
- (a) < (b) > (c) = (d)
- 59 $16 \div \frac{2}{3} = \dots$
- (a) 24 (b) 42 (c) 8:3 (d) 32
- 60 If 3:5 is equivalent to X:10, then X = ...
- (a) 6 (b) 49 (c) 9 (d) 3
- 61 $4.8 \div 0.6 = \dots \div 6$
- (a) 0.48 (b) 8.4 (c) 48 (d) 480
- 62 How many $\frac{1}{10}$ is are there in $\frac{3}{5}$?
- (a) 3 (b) 4 (c) 6 (d) 8
- 63 $1.2 \times 3.5 \dots 0.12 \times 35$
- (a) < (b) > (c) = (d)
- 64 Which of the following ratios are equivalent?
- (a) $\frac{5}{10}$ and $\frac{1}{2}$ (b) $\frac{5}{11}$ and $\frac{5}{13}$ (c) $\frac{12}{14}$ and $\frac{10}{28}$ (d) $\frac{2}{3}$ and $\frac{4}{9}$



65 If the ratio $9 : 27 = 1 : b$, then $b + 3 = \dots$

- (a) 6 (b) 3 (c) 9 (d) 5

66 $4 \div \dots = 24$

- (a) 6 (b) $\frac{1}{4}$ (c) 96 (d) $\frac{1}{6}$

67 $0.0045 \times 100 = \dots$

- 0.45 (b) 45 (c) 4.5 (d) 0.045

If the ratio of the number of blue balls to the number of red balls is 1:5 and the number of red is 30, then the number of blue is

- (a) 25 (b) 5 (c) 6 (d) 55

69 From the opposite equivalent ratio, $b - a = \dots$

3	6	b
4	a	16

- (a) 12 (b) 4 (c) 15 (d) 8

Question 02

Complete

1 $5 \div \frac{2}{5} = \dots$

2 If the ratio $\frac{5}{7}$ is equivalent to $25 : X$, then $X - 5 = \dots$

3 $\frac{1}{2} \div \dots = \frac{5}{8}$

4 $\dots \div 7 = 1$

5 Fourth of 24 =

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

7 If $24 \times 31 = 744$, then $0.24 \times 3.1 = \dots$

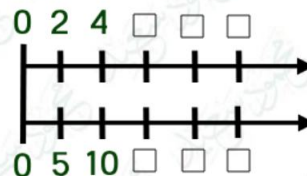
8 $5.21 \div 0.1 = \dots$

9 $\frac{3}{5} \div \frac{4}{7} = \frac{3}{5} \times \dots$

10 $\frac{5}{7} = \frac{10}{\dots} = \frac{\dots}{21} = \frac{20}{\dots}$

11 From the opposite double number line

$$\frac{2}{5} = \frac{4}{10} = \frac{\dots}{\dots} = \frac{\dots}{\dots} = \frac{\dots}{\dots}$$



12 Find $x = \dots\dots\dots$, $y = \dots\dots\dots$, from the opposite table .

girls	2	4	y
boys	3	x	15

13 If the ratio between a and b is 3 : 5 , and b is 10 , then a =

14 $3.2 \times 0.2 = \dots\dots\dots$

15 if $\frac{3}{7} = \frac{6}{14}$, then $3 \times 14 = 7 \times \dots\dots\dots$

16 If $\frac{4}{5} = \frac{x}{20}$, then $X = \dots\dots\dots$

17 The next ratio of 1:3 , 3 to 9 , $\frac{9}{27}$,

18 If the ratio $\frac{6}{5}$ is equivalent to 18 : X ,then $X - 2 = \dots\dots\dots$

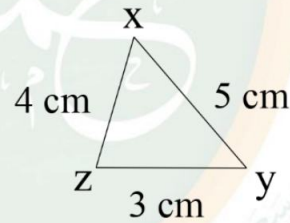
19 If $\frac{3}{x} = \frac{12}{28}$, then $3X = \dots\dots\dots$

20 $64 : 48 = \dots : \dots$ [in the simplest form]

21 If $\frac{6}{x} = \frac{42}{35}$, then $X + 2 = \dots\dots\dots$

22 The first term in the ratio 4 : 9 is

23 From the opposite triangle , find the ratio between x y and the perimeter of the triangle is



24 if $\frac{4}{9}$ is equivalent to $\frac{x}{18}$, then $x - 4 = \dots\dots\dots$

25 $17 \times 2.25 = \dots\dots\dots$

26 $42 : 63 = 2 : \dots\dots\dots$

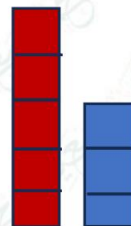
27 if $\frac{x}{3^2} = \frac{2}{1}$, then $x + 2 = \dots\dots\dots$

28 Ahmed bought $1 \frac{5}{10}$ bag of sweets at a price of $4 \frac{5}{10}$ pounds per bag, so what Ahmed pays =

29 $1.3 \div 2.4 = 13 \div \dots\dots\dots$

30 $75 \times 0.31 \dots\dots\dots 7.5 \times 3.1$

31 The ratio between the number of red squares to the number of blue squares =



32 $2 \div \frac{3}{7} = \dots\dots\dots$

33 $\frac{2}{5}$ of 15 is



- 34 $20 \div \dots\dots\dots = 100$
- 35 $8.45 \div 0.01 = \dots\dots\dots$
- 36 $18 : 12 = \dots\dots : \dots\dots$ [in the simplest form]
- 37 If $\frac{a}{7} = \frac{18}{21}$, then $a + 2 = \dots\dots\dots$
- 38 If $\frac{3}{4} = \frac{6}{8}$, then $\dots\dots\dots \times \dots\dots\dots = 3 \times 8$
- 39 the next ratio of 1:2 , 2:4 , 4:8 , $\dots\dots\dots : \dots\dots\dots$
- 40 The ratio between number of triangles and number of squares is $\dots\dots\dots$
- 41 $3.6 \times \dots\dots\dots = 3600$



Question 03

Answer the following questions

- 1 Find the result :
 (a) $2 \div \frac{3}{5}$ (b) $\frac{9}{11} \div \frac{18}{22}$ (C) $\frac{3}{8} \div \frac{1}{4}$ (D) 0.46×0.9 (E) 3 of $\frac{2}{3}$ (F) $1.6 \div 0.2$

- 2 Rana covered $\frac{2}{5}$ Kilometer in 2 minute, How many Kilometer did she covered in one minute?

- 3 Ahmed bought 8.5 litres of juice , the price of one litre is 13.7 L.E , How much did he pay ?

- 4 you have $\frac{9}{5}$ kg and you want to divide it into pieces the mass of each piece is $\frac{2}{5}$ kg . How many pieces can you make?

- 5 sara has 6 liters of juice , she needs to divide them into small bottles of $\frac{2}{3}$ liter each . How many bottles does she need ?

- 6 If the cost of 4 books is 280 L.E what is the cost of 20 books



7 Find the value of X in each of the following :-

$$(a) \frac{3}{4} = \frac{x+3}{12}$$

$$(b) \frac{x-2}{3} = \frac{9}{27}$$

8 If the price of 6 kg of orange is 36 pounds , what is the price of 9 kg of orange ?

9 Find each ratio in simplest form : (a) 33: 55 (b) 36:24

10 If the ratio between of boys and girls in a class is 7:4 and the number of boys is 56 boys . Find the total pupils in the class.

11 If Mahmoud has 4 green balloons and 12 red balloons, what is the ratio between each of them in its simplest form:

(a) Number of green balloons to Number of red balloons.

(b) The total number of balloons to the number of red balloons.

12 Hana distributed $\frac{3}{4}$ kilograms of coffee into packages equally, then each package contains $\frac{3}{8}$ kilograms. What is The number of these packages?

13 If the price of 5 kg of oranges is 50 pounds, then what is the price of 8 kg of oranges?

14 Find the answer for each of the following :

$$(a) \frac{5}{3} \div 2$$

$$(b) 9.7 \times 0.4$$

$$(c) 9 \div \frac{3}{4}$$

$$(d) 18.5 \div 1.25$$

15 Find the value of m in each of the following :-

$$(a) \frac{2}{3} \times m = \frac{1}{9}$$

$$(b) \frac{m-3}{3} = \frac{16}{24}$$



16 yossef can cover 2km every 7 minutes , calculate the time he must cover 8 km.

.....

17 Find :- (a) $\frac{3}{12} \div \frac{1}{3}$ (b) $5.6 \div 0.7$ (c) 0.32×0.12 (d) $\frac{1}{4}$ of 48

.....

18 A class has 18 boys and 24 girls , complete in the simplest form the ratio between

- the number of girls and the number of boys
- the number of boys and the number of girls
- the number of girls and the number of class students
- the number of boys and the number of class students

تم بحمد الله ،

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم



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February Questions Bank



Question 01

Choose the correct answer

- 1 $\frac{5}{6} \times \dots = 1$
- a 0 b $\frac{5}{6}$ c 1 d $\frac{6}{5}$
- 2 $6 \div \frac{1}{3} = \dots$
- a 2 b 1 c 18 d $\frac{3}{6}$
- 3 $\frac{3}{2} \div \frac{1}{2} \dots \frac{1}{2} \div \frac{3}{2}$
- a > b < c = d other
- 4 $1.3 \times 2.3 = \dots$
- a 0.299 b 299 c 2.99 d 29.9
- 5 $1.3 \times \dots = 130$
- a 10 b 100 c 0.1 d 0.01
- 6 How many $\frac{3}{4}$ is are there in 9 oranges ?
- a 3 b 12 c $1\frac{1}{3}$ d $\frac{1}{4}$
- 7 $3.5 \div 0.07 = \dots \div 7$
- a 0.35 b 35 c 350 d 0.350
- 9 $\frac{1}{5}$ of 50 = ...
- a 5 b 10 c 50 d 25
- 10 $2\frac{3}{4} \div \dots = 1$
- a 11 b 8 c $3\frac{2}{4}$ d $\frac{11}{4}$
- 11 $\frac{1}{3} \div \frac{1}{6} \dots \frac{2}{5}$ of 5
- a > b < c = d other



- 12 The reciprocal of 4 is
- (a) 0 (b) 4 (c) -4 (d) $\frac{1}{4}$
- 13 $0.044 \div 0.4 = \dots$
- (a) 11 (b) 0.11 (c) 1.1 (d) 0.011
- 14 $273 \div 25 = 2.73 \div \dots$
- (a) 25 (b) 2.5 (c) 0.25 (d) 0.025
- 15 $0.02 \times 0.6 = \dots$
- (a) 0.012 (b) 0.12 (c) 12 (d) 1.2
- 16 $\frac{3}{7} = \frac{9}{\dots}$
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- 17 $\frac{1}{3} \div \frac{1}{6} = \dots$
- (a) 1 (b) $\frac{1}{2}$ (c) 2 (d) 3
- 18 4:10 is equivalent to 8 :
- (a) 10 (b) 2 (c) 4 (d) 20
- 19 $3.3 \times 3 \dots 33 \times 3$
- (a) > (b) = (c) < (d) otherwise
- 20 $\frac{3}{5}$ The reciprocal of $\frac{1}{5}$
- (a) > (b) = (c) < (d) otherwise
- 21 $8 \div \frac{4}{5} = \dots$
- (a) $\frac{1}{8}$ (b) 10 (c) 8 (d) $\frac{1}{10}$
- 22 $\frac{4}{5} \times \dots = 1$
- (a) $\frac{4}{5}$ (b) 4 (c) 5 (d) $\frac{5}{4}$
- 23 $\dots \div 0.2 = 1.2$
- (a) 24 (b) 0.24 (c) 2.4 (d) 0.024
- 24 $\frac{3}{5} \times \dots = \frac{1}{5}$
- (a) 3 (b) $\frac{3}{5}$ (c) 5 (d) $\frac{1}{3}$



- 25 $\frac{1}{9}$ of 27 = ...
- a 3 b $\frac{1}{9}$ c 27 d $\frac{1}{27}$
- 26 $\dots \div \frac{1}{3} = 9$
- a $\frac{1}{3}$ b 3 c 27 d $\frac{1}{27}$
- 27 Ahmed scored 25 point in 3 basketball games, the ratio scored by Ahmed is.....
- a 75 : 3 b 3 : 75 c 25 : 3 d 3 : 25
- 28 $0.3 \times 0.1 \times 0.2 = \dots$
- a 6 b 0.6 c 0.06 d 0.006
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- 35 If the ratio x : 4 is equivalent to 3:12 ,then x+3 = ...
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- 36 If the ratio between two numbers is 5:7 and the greater number is 21 , then the smaller number is
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- 37 If $\frac{18}{12} = \frac{6}{a}$, then a= ...
- a 3 b 4 c 24 d 2



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- (a) 3 (b) 6 (c) 2 (d) 14
- 39** From the opposite equivalent ratio, $b - a = \dots$
- | | | |
|---|----|----|
| 2 | a | 10 |
| 3 | 12 | b |
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- (a) $\frac{3}{7}$ (b) 1 (c) $3\frac{9}{11}$ (d) 2
- 41** if $1 : a = 9 : 27$, then $a = \dots$
- (a) 3 (b) 12 (c) 5 (d) 9
- 42** which of the following are equivalent?
- (a) 5 : 6, 2 : 3 (b) 6 : 3, 1 : 2 (c) 3 : 9, 5 : 11 (d) 4 : 10, 6 : 15
- 43** $\dots \div 4 = 3 \times \frac{1}{4}$
- (a) 3 (b) $\frac{3}{4}$ (c) $\frac{4}{3}$ (d) 12
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- (a) 8 (b) 6 (c) $\frac{6}{4}$ (d) 2
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- (a) < (b) > (c) = (d)
- 59 $16 \div \frac{2}{3} = \dots$
- (a) 24 (b) 42 (c) 8:3 (d) 32
- 60 If 3:5 is equivalent to X:10, then X = ...
- (a) 6 (b) 49 (c) 9 (d) 3
- 61 $4.8 \div 0.6 = \dots \div 6$
- (a) 0.48 (b) 8.4 (c) 48 (d) 480
- 62 How many $\frac{1}{10}$ is are there in $\frac{3}{5}$?
- (a) 3 (b) 4 (c) 6 (d) 8
- 63 $1.2 \times 3.5 \dots 0.12 \times 35$
- (a) < (b) > (c) = (d)
- 64 Which of the following ratios are equivalent?
- (a) $\frac{5}{10}$ and $\frac{1}{2}$ (b) $\frac{5}{11}$ and $\frac{5}{13}$ (c) $\frac{12}{14}$ and $\frac{10}{28}$ (d) $\frac{2}{3}$ and $\frac{4}{9}$



65 If the ratio $9 : 27 = 1 : b$, then $b + 3 = \dots$

- (a) 6 (b) 3 (c) 9 (d) 5

66 $4 \div \dots = 24$

- (a) 6 (b) $\frac{1}{4}$ (c) 96 (d) $\frac{1}{6}$

67 $0.0045 \times 100 = \dots$

- 0.45 (b) 45 (c) 4.5 (d) 0.045

If the ratio of the number of blue balls to the number of red balls is 1:5 and the number of red is 30, then the number of blue is

- 68 (a) 25 (b) 5 (c) 6 (d) 55

69 From the opposite equivalent ratio, $b - a = \dots$

- (a) 12 (b) 4 (c) 15 (d) 8

3	6	b
4	a	16

Question 02

Complete

1 $5 \div \frac{2}{5} = \dots$ 12 $\frac{1}{2}$

2 If the ratio $\frac{5}{7}$ is equivalent to $25 : X$, then $X - 5 = \dots$ 30

3 $\frac{1}{2} \div \dots \frac{4}{5} \dots = \frac{5}{8}$

4 $\dots 7 \dots \div 7 = 1$

5 Fourth of 24 = \dots 6 \dots

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

7 If $24 \times 31 = 744$, then $0.24 \times 3.1 = \dots$ 0.744 \dots

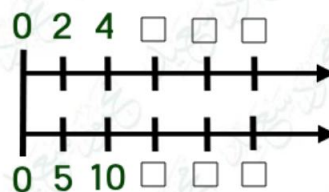
8 $5.21 \div 0.1 = \dots$ 52.1 \dots

9 $\frac{3}{5} \div \frac{4}{7} = \frac{3}{5} \times \dots \frac{7}{4} \dots$

10 $\frac{5}{7} = \frac{10}{\dots 14 \dots} = \frac{\dots 15 \dots}{21} = \frac{20}{\dots 28 \dots}$

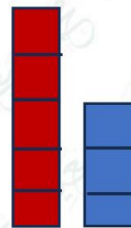
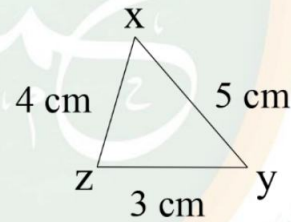
11 From the opposite double number line

$$\frac{2}{5} = \frac{4}{10} = \frac{6}{15} = \frac{8}{20} = \frac{10}{25}$$



girls	2	4	y
boys	3	x	15

- 12 Find $x = \dots 10 \dots$, $y = \dots 6 \dots$, from the opposite table.
- 13 If the ratio between a and b is 3 : 5, and b is 10, then $a = \dots 6 \dots$
- 14 $3.2 \times 0.2 = \dots 0.64 \dots$
- 15 if $\frac{3}{7} = \frac{6}{14}$, then $3 \times 14 = 7 \times \dots 6 \dots$
- 16 If $\frac{4}{5} = \frac{x}{20}$, then $X = \dots 16 \dots$
- 17 The next ratio of 1:3, 3 to 9, $\frac{9}{27}$, $\dots 27:81 \dots$
- 18 If the ratio $\frac{6}{5}$ is equivalent to 18 : X, then $X - 2 = \dots 13 \dots$
- 19 If $\frac{3}{x} = \frac{12}{28}$, then $3X = \dots 21 \dots$
- 20 $64 : 48 = \dots 4. : \dots 3. [\text{in the simplest form}]$
- 21 If $\frac{6}{x} = \frac{42}{35}$, then $X + 2 = \dots 7 \dots$
- 22 The first term in the ratio 4 : 9 is $\dots 4 \dots$
- 23 From the opposite triangle, find the ratio between x y and the perimeter of the triangle is $\dots 5 \dots : \dots 12 \dots$
- 24 if $\frac{4}{9}$ is equivalent to $\frac{x}{18}$, then $x - 4 = \dots 4 \dots$
- 25 $17 \times 2.25 = \dots 38.25 \dots$
- 26 $42 : 63 = 2 : \dots 3 \dots$
- 27 if $\frac{x}{3^2} = \frac{2}{1}$, then $x + 2 = \dots 20 \dots$
- 28 Ahmed bought $1 \frac{5}{10}$ bag of sweets at a price of $4 \frac{5}{10}$ pounds per bag, so what Ahmed pays = $\dots 6.75 \dots$
- 29 $1.3 \div 2.4 = 13 \div \dots 24 \dots$
- 30 $75 \times 0.31 \dots = \dots 7.5 \times 3.1$
- 31 The ratio between the number of red squares to the number of blue squares = $\dots 5 : 3 \dots$
- 32 $2 \div \frac{3}{7} = 4 \frac{2}{3}$
- 33 $\frac{2}{5}$ of 15 is $\dots 6 \dots$



- 34 $20 \div \frac{1}{5} = 100$
- 35 $8.45 \div 0.01 = 845$
- 36 $18 : 12 = \dots 3. : \dots 2.$ [in the simplest form]
- 37 If $\frac{a}{7} = \frac{18}{21}$, then $a + 2 = \dots 8.$
- 38 If $\frac{3}{4} = \frac{6}{8}$, then $\dots 6. \times \dots 4. = 3 \times 8$
- 39 the next ratio of 1:2 , 2:4 , 4:8 , $\dots 8 : 16 \dots$
- 40 The ratio between number of triangles and number of squares is $\dots 2:3 \dots$
- 41 $3.6 \times \dots 1000. = 3600$



Question 03

Answer the following questions

- 1 Find the result :
- (a) $2 \div \frac{3}{5}$ (b) $\frac{9}{11} \div \frac{18}{22}$ (c) $\frac{3}{8} \div \frac{1}{4}$ (d) 0.46×0.9 (e) 3 of $\frac{2}{3}$ (f) $1.6 \div 0.2$
- (a) $3 \frac{1}{3}$ (b) $\frac{9}{11} \times \frac{22}{18} = 1$ (c) $\frac{3}{8} \times \frac{4}{1} = 1 \frac{1}{2}$ (d) 0.414 (e) $3 \times \frac{2}{3} = 2$ (f) $16 \div 2 = 8$
- 2 Rana covered $\frac{2}{5}$ Kilometer in 2 minute, How many Kilometer did she covered in one minute?
- $\frac{2}{5} \div 2 = \frac{1}{5} \text{ km}$
- 3 Ahmed bought 8.5 litres of juice , the price of one litre is 13.7 L.E , How much did he pay ?
- $8.5 \times 13.7 = 116.45 \text{ pounds}$
- 4 you have $\frac{9}{5} \text{ kg}$ and you want to divide it into pieces the mass of each piece is $\frac{2}{5} \text{ kg}$. How many pieces can you make?
- $\frac{9}{5} \div \frac{2}{5} = \frac{9}{2} = 4 \frac{1}{2} \text{ pieces}$
- 5 sara has 6 liters of juice , she needs to divide them into small bottles of $\frac{2}{3}$ liter each . How many bottles does she need ?
- $6 \div \frac{2}{3} = 6 \times \frac{3}{2} = \frac{18}{2} = 9 \text{ bottles}$



- 6 If the cost of 4 books is 280 L.E what is the cost of 20 books

$$\frac{280}{4} = 70 \text{ le} \quad , \quad 70 \times 20 = 1400 \text{ LE}$$

- 7 Find the value of X in each of the following :-

$$(a) \frac{3}{4} = \frac{x+3}{12}$$

$$(b) \frac{x-2}{3} = \frac{9}{27}$$

$$(a) 9 = x + 3$$

$$x = 6$$

$$(b) x - 2 = 1$$

$$x = 3$$

- 8 If the price of 6 kg of orange is 36 pounds , what is the price of 9 kg of orange ?

$$36 \div 6 = 6 \text{ le} \quad /// \quad 6 \times 9 = 54 \text{ le}$$

- 9 Find each ratio in simplest form : (a) 33: 55 (b) 36:24

$$(a) 3: 5$$

$$(b) 3: 2$$

- 10 If the ratio between of boys and girls in a class is 7:4 and the number of boys is 56 boys . Find the total pupils in the class.

boys: girls

$$7: 4$$

$$56: a$$

$$a = 32$$

$$\text{the total} = 56 + 32 = 88$$

- 11 If Mahmoud has 4 green balloons and 12 red balloons, what is the ratio between each of them in its simplest form:

(a) Number of green balloons to Number of red balloons.

(b) The total number of balloons to the number of red balloons.

$$(a) 4 : 12 = 1: 3$$

$$(b) 16 : 12 = 4: 3$$

- 12 Hana distributed $\frac{3}{4}$ kilograms of coffee into packages equally, then each package contains $\frac{3}{8}$ kilograms. What is The number of these packages?

$$\text{The number of packages} = \frac{3}{4} \div \frac{3}{8} = 2 \text{ packages.}$$

- 13 If the price of 5 kg of oranges is 50 pounds, then what is the price of 8 kg of oranges?

$$\text{The price of 1 kg} = 50 \div 5 = 10 \text{ pounds}$$

$$\text{The price of 8 kg} = 10 \times 8 = 80 \text{ pounds}$$



14 Find the answer for each of the following :

(a) $\frac{5}{3} \div 2$

(b) 9.7×0.4

(c) $9 \div \frac{3}{4}$

(d) $18.5 \div 1.25$

(a) $\frac{5}{3} \times \frac{1}{2} = \frac{5}{6}$

(b) 3.88

(c) 12

(d) 14.8

15 Find the value of m in each of the following :-

(a) $\frac{2}{3} \times m = \frac{1}{9}$

(b) $\frac{m-3}{3} = \frac{16}{24}$

a) $\frac{1}{9} \div \frac{2}{3} = \frac{1}{6}$

// b) $m-3 = 2$ $m = 2 + 3 = 5$

16 yossef can cover 2km every 7 minutes , calculate the time he must cover 8 km.

$$\frac{2km}{7min} = \frac{8km}{a} , \text{ then } a = 7 \times 4 = 28 \text{ min}$$

17 Find :- (a) $\frac{3}{12} \div \frac{1}{3}$ (b) $5.6 \div 0.7$ (c) 0.32×0.12 (d) $\frac{1}{4}$ of 48

(a) $\frac{3}{12} \times 3 = \frac{9}{12} = \frac{3}{4}$

(b) = 8

(c) = 0.0384

(d) $\frac{1}{4} \times 48 = 12$

18 A class has 18 boys and 24 girls , complete in the simplest form the ratio between

a) the number of girls and the number of boys 4:3

b) the number of boys and the number of girls 3:4

c) the number of girls and the number of class students 4:7

d) the number of boys and the number of class students 3:7

تم بحمد الله ،

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ " إِنَّ الَّذِينَ آمَنُوا وَعَمِلُوا الصَّالِحَاتِ إِنَّا لَا نُضِيعُ أَجْرَ مَنْ أَحْسَنَ عَمَلًا " صدق الله العظيم

