

PONY

سلسلة كتب الأستاذ

Math

February Revision



مذكرتي
Mozkrtty.com

6th Primary

Second Term

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Model 1

Q1: Choose the correct answer:

- The reciprocal of 7 is (1 or 17 or $\frac{1}{17}$ or 7)
- $\frac{5}{6} \times \dots = 1$ ($\frac{5}{6}$ or 1 or $\frac{6}{5}$ or zero)
- If Ahmed has 64 LE and Yasmin has 24 LE, then the ratio of what Yasmin has to what Ahmed has is (8 : 3 or 3 : 8 or 6 : 8 or 8 : 32)

Q2: Answer the following:

- $4.2 \div 0.07 = \dots \div 7$
- Farida spends 480 LE in 4 days, then the rate of what she spends is LE/day.
- Nader bought 12 pizza pies and divided them among his friends, each of whom got $\frac{2}{3}$ of the pie. How many friends does Nader have?
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- A car consumed 280 liters of gasoline in 4 months. How many liters did the car consume on average in one month?
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- If $53 \times 31 = 1,643$, then $16.43 \div 3.1 = \dots$.
- The ratio between the side of a rhombus and its perimeter is :
- Ahmed walks 28 km in a week. Calculate the distance that Ahmed walks per day.
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Model 2

Q1: Choose the correct answer:

- If a car covers 240 km in 3 hours, then its speed is km/hr.
(70 or 80 or 90 or 110)
- $\div \frac{1}{2} = \frac{1}{3}$
($\frac{1}{6}$ or 6 or $\frac{3}{1}$ or 2)
- If $8 : x - 1 = 6 : 12$, then the value of x is
(17 or 8 or 15 or 7)

Q2: Answer the following:

- Any number multiplied by its reciprocal equals
- The reciprocal of the number is $3 \frac{3}{5}$.
- If $4 : 7 = x : 35$, then $x - 5 =$
- The ratio between two numbers is $4 : 8$. If the first number is 18, then the second number is
- Mona bought 9 meters of fabric and paid 214.2 pounds. What is the price of each meter of fabric?
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.....

6. Complete the following ratio table:

1	2
3	9	18

- Laine reads 360 pages in 240 minutes, and Omar reads 45 pages in 25 minutes. Are they reading in equivalent ratios? Explain your answer.
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Model

3

Q1: Choose the correct answer:

1. Gamal studies for 48 hours in 8 days, then he studies hours per day. (5 or 6 or 7 or 8)
2. $\div 3.5 = 1,200 \div 35$ (1.2 or 12 or 120 or 1,200)
3. If Mark has 18 LE and Ibrahim has 54 LE, then the ratio of what Ibrahim has to what Mark has is : (1 : 8 or 8 : 3 or 3 : 1 or 6 : 12)

Q2: Answer the following:

1. The number which has no reciprocal is
2. In the ratio 5 : 7, the first term is, and the second term is
3. Nadia bought $\frac{8}{9}$ kg of apples and she wants to divide them among her three children. What is the share of each child?

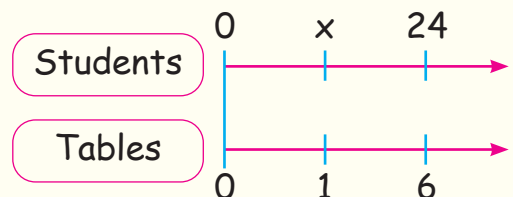


4. Murad bought 3 notebooks for 4.75 LE each and 5 pens for 1.25 LE each. Calculate the amount of money Murad paid.

5. If an orange export company puts every 25 oranges in one box, answer the following:

- a) The number of oranges in 10 boxes =
- b) The number of boxes that are enough to contain 225 oranges =

6. From the opposite double number line, find the value of x.



7. If a printer prints 27 papers in 3 minutes, then it prints papers in 8 minutes.

Model 4

Q1: Choose the correct answer:

- If $\frac{x+3}{14} = \frac{1}{2}$, then $x =$ (2 or 4 or 6 or 8)
- $\frac{2}{5}$ the reciprocal of 5. (< or = or > or \leq)
- The ratio between two numbers is 4 : 8. If the first number is 18, then the second number is (9 or 18 or 36 or 54)

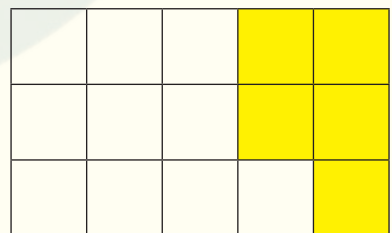
Q2: Answer the following:

- If $25 \times 33 = 825$, then $2.5 \times 3.3 =$
- The ratio between 360 and 540 is :
- Hossam distributed 18 cake molds among a group of children, with each child receiving $\frac{2}{3}$ of a cake mold. How many children received cake?

- Mark bought 16 boxes of juice; the price of each one is 5.5 pounds. How many pounds did he pay the seller?

5. Using the opposite figure, complete:

- a) The ratio between the shaded squares and the white squares in the simplest form is :



- b) The ratio between the shaded squares and all squares in the simplest form is :

- If $3 : 5$ is equivalent to $x : 15$, then $x =$
- In a classroom, if the ratio of the number of boys to the number of girls is 5 to 4 and there are 25 boys in the class, how many girls are in the class?

Model

5

Q1: Choose the correct answer:

- $3.4 \times 0.2 =$ (6.8 or 68 or 0.68 or 0.068)
- Which of the following ratios is equivalent to 5 : 6?
(20 : 24 or 24 : 20 or 6 : 5 or 24 : 12)
- $4.8 \div 4$ 12 (> or < or = or otherwise)

Q2: Answer the following:

- $12.55 \times 0.3 =$
- In a juice shop: 2 kilograms of oranges are squeezed to serve 7 glasses of orange juice to customers, how many kilograms of oranges are needed to serve 28 glasses of juice to customers?

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- If 156 LE is distributed among a group of pupils, with each pupil receiving 6.5 LE, how many pupils are in the group?

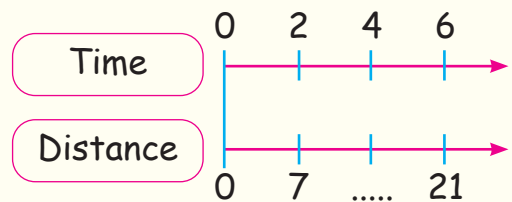
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- If Ali bought 5 kg of apples for 150 LE, then the price of 10 kg of apples is LE.

- The missing number in the opposite double number line is



- If 3 : 7 is equivalent to 21 : x, then x =
- If $\frac{A}{B} = \frac{C}{D}$, then $A \times D =$

Model Answers

Model 1

1. $\frac{1}{7}$ 2. $\frac{6}{5}$ 3. 3 : 8

2. 1. 420

2. 120

3. Number of friends = $2 \div \frac{2}{3} = 12 \times \frac{3}{2}$
= 18 friends

4. The rate = $280 \div 4 = 70$ liter / month.

5. 5.3

6. 1 : 4

7. The distance = $28 \div 7 = 4$ km/day.

Model 2

1. 1. 80 2. $\frac{1}{6}$ 3. 17

2. 1. 1

2. $\frac{5}{18}$

3. 15

4. 36

5. The price = $214.2 \div 9 = 23.9$ L.E

6.

1	2	3	6
3	6	9	18

7. rate of Laine = $\frac{360}{240} = \frac{3}{2}$

rate of Omar = $\frac{45}{25} = \frac{9}{5}$

Note equal ratios

Because rate of Omar > rate of Laine

Model 3

1. 1. 6 2. 120 3. 3 : 1

2. 1. zero 2. 5 , 7

3. The share of each child = $\frac{8}{9} \div 3 = \frac{8}{9} \times \frac{1}{3}$
= $\frac{8}{27}$ kg

4. He paid = $(3 \times 4.75) + (5 \times 1.25)$
= $14.25 + 6.25 = 20.5$ L.E.

5. a) 250 b) 9 boxes

6. 4

7. 72

Model 4

1. 1. 4 2. > 3. 36

2. 1. 8.25

2. 2 : 3

3. Number of children = $18 \div \frac{2}{3} = 18 \times \frac{3}{2}$
= 27 children

4. He paid = $16 \times 5.5 = 88$ L.E.

5. a) 1 : 2 b) 2 : 3

6. 9

7. Number of girls = 20 girls

Model 5

1. 1. 0.68 2. 20 : 24 3. <

2. 1. 3.765

2. Number of kg = 8 kg of orange

3. Number of pupils = $156 \div 6.5$
= $1,560 \div 65 = 24$ L.E.

4. 1,500

5. 14

6. 49

7. B × C