

Multiple Choice Questions?



Choose the correct answer from the given ones :

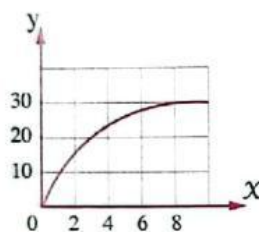
1 Which of the following represents a proportion ?

- (a) The price of 3 kg of bananas is 54 LE , and the price of 5 kg of bananas is 80 LE
- (b) 10 goals out of 12 attempts , and 12 goals out of 18 attempts.
- (c) Reading 3 books in 2 months , and reading 9 books in 6 months.
- (d) 144 pulses in 2 minutes , and 210 pulses in 3 minutes.

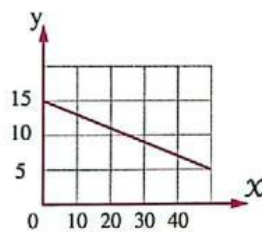
2 Magdy can run 75 meters in 25 seconds. If he maintained his speed , which proportion you can use to find the time (X) he needs to run 300 meters ?

- (a) $\frac{75}{25} = \frac{X}{300}$
- (b) $\frac{75}{25} = \frac{300}{X}$
- (c) $\frac{25}{X} = \frac{300}{75}$
- (d) $\frac{75}{X} = \frac{300}{25}$

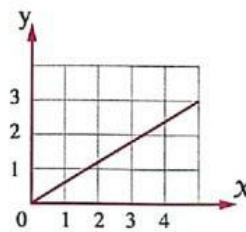
3 Which of the following graphs represents a proportion ?



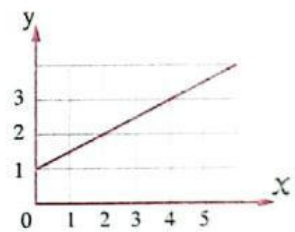
(a)



(b)



(c)



(d)

4 Team X loses against team Y in basketball with a ratio of 3 : 4. Which of the following could be the score of the game ?

- (a) 10 goals for team X and 12 goals for team Y
- (b) 4 goals for team X and 16 goals for team Y
- (c) 16 goals for team X and 12 goals for team Y
- (d) 30 goals for team X and 40 goals for team Y

5 Which of the following ratios is equal to $\frac{16}{64}$?

- (a) $\frac{1}{4}$
- (b) $\frac{4}{8}$
- (c) $\frac{14}{48}$
- (d) $\frac{64}{16}$

6 If $\frac{35}{21} = \frac{X}{3}$, then what is the value of X ?

- (a) 3
- (b) 5
- (c) 7
- (d) 9

- 7 Walid travels 320 km in 2.5 hours. How much time is needed to travel 64 km if he maintains the same speed ?

(a) 5 hours (b) $\frac{1}{2}$ hour (c) $\frac{1}{4}$ hour (d) 2 hours

- 8 Two pieces of cheese contain 230 calories. How many calories are in 5 pieces of the same type of cheese ?

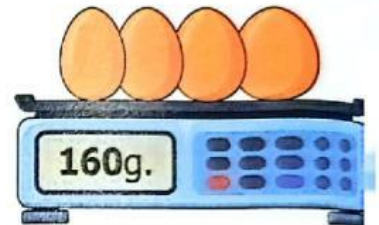
(a) 500 (b) 550 (c) 575 (d) 615

- 9 Which of the following pairs of ratios does not represent a proportion ?

(a) $\frac{1}{8}$, $\frac{4}{32}$ (b) $\frac{3}{2}$, $\frac{9}{4}$ (c) $\frac{1}{5}$, $\frac{16}{80}$ (d) $\frac{9}{18}$, $\frac{21}{42}$

- 10 The opposite figure shows the mass of 4 eggs. If the eggs are of equal mass, what is the mass of 5 eggs ?

(a) 40 grams (b) 165 grams
(c) 250 grams (d) 200 grams



- 11 Ahmed needs to buy tuna cans. If 3 cans of tuna costs 126 LE , then how much will he spend to buy 5 cans ?

(a) 42 LE (b) 84 LE (c) 126 LE (d) 210 LE

- 12 In a family party , if the ratio between number of children and number of adults is 2 : 5 , then which of the following can be the number of children and adults ?

(a) 64 children and 160 adults (b) 46 children and 192 adults
(c) 20 children and 51 adults (d) 8 children and 30 adults

- 13 If $\frac{2}{5} = \frac{x}{15}$, then what is the value of $4 + x$?

(a) 6 (b) 8 (c) 10 (d) 12

- 14 **Creative thinking :**

 If 15 % of x equals 20 % of y , then which of the following is equal to $x : y$?

(a) 5 : 4 (b) 3 : 2 (c) 4 : 3 (d) 3 : 4