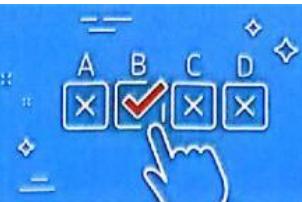


## Multiple Choice Questions ?



Choose the correct answer from the given ones :

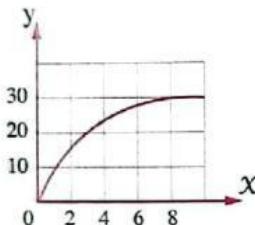
1 Which of the following represents a proportion ?

- (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.

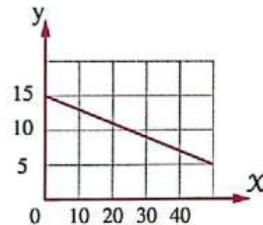
2 Magdy can run 75 meters in 25 seconds. If he maintained his speed , which proportion you can use to find the time (X) he needs to run 300 meters ?

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

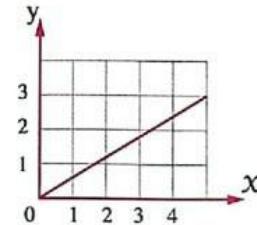
3 Which of the following graphs represents a proportion ?



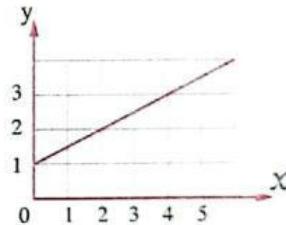
(a)



(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 ?

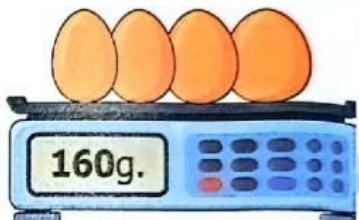
(a) 500      (b) 550      (c) 575      (d) 615

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