Quantitative Aptitude Simplification Questions Pdf

1. In an examination, a student scores 4 marks for every correct answer and loses 1 mark for every wrong answer. If he attempts in all 60 questions and secures 130 marks, the number of questions he attempts correctly, is

(A) 32

(B) 35

(C) 38

(D) 40

Ans: C

Let the number of correct answers be x.

Number of incorrect answers = (60 – x).

∴ 4x – (60 – x) = 130 ⟺ 5x = 190 ⟺ x = 38.

2. The number of girls in a class is 5 times the number of boys. Which of the following cannot be the total number of children in the class?

(A) 24

(B) 30

(C) 35

(D) 42

Ans: C

Let the number of boys = x.

Then, number of girls = 5x.

Total number of children = (x + 5x) = 6x.

Thus, the total number of children must be multiplied of 6.

3. In a garden, there are 10 rows and 12 columns of mango trees. The distance between the two trees is 2 metres and a distance of one metre is left from all sides of the boundary of the garden. The length of the garden is

(A) 18 m

(B) 20 m

(C) 22 m

(D) 24 m

Ans: C

Each row contain 12 plants.

Leaving 2 corner plants, 10 plants in between have (10 × 2) metres and 1 metre on each side is left.

∴ Length = (20 + 2) m = 22 m.

4. A worker may claim Rs.150 for each km which he travels by taxi and 50 p for each km he drives his own car. If in one week he claimed Rs.50 for travelling 80 km, how many kms did he travel by taxi?

(A) 5

(B) 10

(C) 20

(D) 25

Ans: B

Let the distance covered by taxi be x km.

Then, distance covered by car = (80 - x) km.

$\therefore 1.5x + 0.5 (80 - x) = 50$

$\therefore x = 50 - 40 = 10$ km.

5. In a classroom, if 6 students per bench are assigned to accommodate all students, one more bench will be required. However, if 7 students are accommodated per bench, there would be a space left for 5 students. What is the number of students in the class?

(A) 25

(B) 30

(C) 42

(D) 72

Ans: D

Let the number of benches in the class be x.

Then, $6 (x + 1) = 7x - 5 \Leftrightarrow x = 11$.

Hence, number of students in the class = $6 (x + 1) = 6 \times 12 = 72$.

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