Average Questions and Answers for Bank Exams Pdf

1. The average weight of 8 men is increased by 1.5 kg when one of the men, who weight 65 kg is replaced by a new man. The weight of the new man is
a. 70 kg
b. 74 kg
c. 76 kg
d. 77 kg -→D
Ans:
. Total weight increased = (8 × 1.5) kg = 12 kg.
Weight of the new man = (65 + 12) kg = 77 kg.

2. There were 24 students in a class. One of them, who was 18 years old, left the class and his place was filled up by a new corner. If the average of the class thereby, was lowered by one month, the age of the new corner is
a. 14 years
b. 15 years
c. 16 years
d. 17 years →C
Ans:

Total age decreased = (24 × 1) months = 24 months
= 2 years.
∴ Age of the newcomer = (18 – 2) years = 16 years.

3. The average height of 25 boys is 1.4 m. When 5 boys leave the group, then the average height increases by 0.15 m. What is the average height of the 5 boys who leave?
a. 0.8 m
b. 0.9 m
c. 0.95 m
d. 1.05 m -→A
Ans:

Sum of heights of the 5 boys = (25 × 1.4 – 20 × 1.55) m
= 4 m.
∴ Required average = $\left(\frac{4}{5}\right)$m = 0.8 m.

4. A motorist travel to a place 150 km away at an average speed of 50 km/hr and returns at 30 km/hr. His average speed for the whole journey in km/hr is

a. 35
b. 37
c. 37.5
d. 40 →C
Ans:

$$\text{Average speed} = \frac{2xy}{x+y} = \left(\frac{2\times 50\times 30}{50+30}\right)\text{km/hr} = 37.5\text{ km/hr.}$$

5. The average age of husband, wife and their child 3 years ago was 27 years and that of wife and the child 5 years ago was 20 years. The present age of the husband is
a. 35 years
b. 40 years
c. 50 years
d. none of these -→B
Ans:

Sum of the present ages of husband, wife and child
= (27 × 3 + 3 × 3) years = 90 years.
Sum of the present ages of wife and child
= (20 × 2 + 5 × 2) years = 50 years.
∴ Husband's present age = (90 – 50) years = 40 years.

6. After replacing an old member by a new member, it was found that the average age of five members of a club is the same as it was 3 years ago. What is the difference between the ages of the replaced and the new member?
a. 2 years
b. 4 years
c. 8 years
d. 15 years -→D
Ans:

Age decreased = (5 × 3) years = 15 years.
So, the required difference = 15 years.

7. Out of 10 teachers of a school, one teacher retires and in place of him a new teacher 25 years old joins. As a result of it average age of the teachers reduces by 3 years. Age of the retired teacher (in years) is
a. 55
b. 60
c. 58

d. 56 -→A

Ans:

Total number of teachers = 10

Age of new teacher = 25 years

Age of the retired teacher

= (25 + 3 × 10) years

= 55 years

8. Find the average of 205, 302, 108, 403 and 202

a. 450

b. 1225

c. 244

d. 1220 →C

Ans:

Sum of numbers = 205 + 302 + 108 + 403 + 202 = 1220

Required average $= \frac{1220}{5} = 244$

9. A man travels by a car to his office at 60 km/hr and returns home along the same route at 20 km/hr. Find the average speed of his whole journey.

a. 40 km/hr

b. 50 km/hr

c. 30km/hr

d. 25 km/hr -→C

Ans:

$$\text{Average speed} = \frac{20 \times 60 \times 20}{60 + 20} = \frac{2 \times 60 \times 20}{80} = \mathbf{30\ km/h}$$

10. The average of five numbers is 27. If one number is excluded, the average becomes 25. The excluded number is

a. 25

b. 27

c.. 30

d. 35 -→D

Ans:

$$\text{Total of 5 numbers} = 27 \times 5$$

$$\text{Excluded number} = 27 \times 5 - 25 \times 4 = 135 - 100 = \mathbf{35}$$