

Average Questions and Answers for Bank PO, SO, Clerk Exams Pdf

1. The total marks obtained by a student in Physics, Chemistry and Mathematics together is 120 more than the marks obtained by him in Physics, and Mathematics together?

- a. 40
- b. 60
- c. 120
- d. Cannot be determined

Ans: B

$$P + C + M = C + 120 \Rightarrow P + M = 120.$$

$$\therefore \text{Required average} = \frac{P + M}{2} = \frac{120}{2} = 60.$$

2. The monthly incomes of five persons are Rs.1132, Rs.1140, Rs.1144, Rs.1136 and Rs.1148 respectively. What is their arithmetic mean?

- a. Rs. 1100
- b. Rs. 1120
- c. Rs. 1132
- d. Rs. 1140

Ans: D

$$\begin{aligned} \text{Arithmetic mean} &= ₹ \left(\frac{1132 + 1140 + 1144 + 1136 + 1148}{5} \right) \\ &= ₹ \left(\frac{5700}{5} \right) = ₹ 1140. \end{aligned}$$

3. Find the average of all the numbers between 6 and 34 which are divisible by 5.

- a. 18
- b. 20
- c. 24
- d. 30

Ans: B

Numbers between 6 and 34, which are divisible by 5 are 10, 15, 20, 25 and 30.

$$\therefore \text{Average of above numbers} = \frac{10 + 15 + 20 + 25 + 30}{5} = \frac{100}{5} = 20$$

4. 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

Ans: A

Total number of teachers = 10
Age of new teacher = 25 years
Age of the retired teacher
= $(25 + 3 \times 10)$ years
= 55 years

5. The average of the first nine prime numbers is

(a) 9

(b) 11

(c) $11\frac{1}{9}$

(d) $11\frac{2}{9}$

Ans: C

$$\begin{aligned} \text{Average} &= \left(\frac{2 + 3 + 5 + 7 + 11 + 13 + 17 + 19 + 23}{9} \right) \\ &= \frac{100}{9} = 11\frac{1}{9} \end{aligned}$$

6. 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

Ans: D

. Total weight increased = $(8 \times 1.5) \text{ kg} = 12 \text{ kg}$.

Weight of the new man = $(65 + 12) \text{ kg} = 77 \text{ kg}$.

7. 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

Ans: C

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

8. 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

Ans: C

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

9. Average age of 15 students of a class is 15 years. Out of these the average age of 5 students is 14 years and that of the other 9 students is 16 years. The age of the 15th student is

- a. 11 years
- b. 14 years
- c. 15 years
- d. 16 years

Ans: A

Total age of 15 students = $15 \times 15 = 225$ years

Sum of ages of 5 students = $5 \times 14 = 70$ years

Sum of ages of 9 students = $9 \times 16 = 144$ years

\therefore Age of 15th student = (1) – (2) – (3) = $225 - (70 + 144) = 11$ years

10. The body weight of seven students of a class is recorded as 54 kg, 78 kg, 43 kg, 82 kg, 67 kg, 42 kg and 75 kg. What is the average body weight of all the seven students?

- a. 63 kg
- b. 69 kg
- c. 71 kg
- d. 73 kg

Ans: A

Average body weight

$$= \left(\frac{54 + 78 + 43 + 82 + 67 + 42 + 75}{7} \right) \text{kg}$$

$$= \left(\frac{441}{7} \right) \text{kg} = 63 \text{ kg.}$$