Quantitative Aptitude Average Problems with Solutions Pdf

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

a. 18

b. 20

c. 24

d. 30 -→B

Ans:

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

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

2. The average age of 35 students in a class is 16 years. The average age of 21 students is 14. What is the average age of remaining 14 students?

a. 15 years

b. 17 years

c. 18 years

d. 19 years -→D

Ans:

Average age of 35 students = 16

Average age of 21 students = 14

$$\therefore \text{ Average age of remaining 14 students } = \frac{35\times 16 - 21\times 14}{14}$$

$$= 5\times 8 - 21 = 40 - 21 = \mathbf{19 \text{ years}}$$

3. The average of runs of a cricket player of 10 innings was 32. How many runs must he make in his next innings so as to increase his average of runs by 4?

a. 2

b. 4

c. 70

d. 76 -→D

Ans:

Total score in 10 innings = $32 \times 10 = 320$

To raise the average to 36,

Total score after 11 innings = $36 \times 11 = 396$

$\therefore$ Runs he has to take in the 11th innings = $396 - 320 = \mathbf{76}$

4. David obtained 76, 65, 82, 67 and 85 marks (out of 100) in English, Mathematics, Physics, Chemistry and Biology. What is his average marks?

a. 65

b. 69

c. 72

d. 75 -→D

Ans:

$$\text{Average marks} = \frac{76+65+82+67+85}{5} = \frac{375}{5} = \mathbf{75}$$

5. The marks of six boys in a group are 48, 59, 87, 37, 78 and 57. What are the average marks of all six boys?

a. 61

b. 65

c. 69

d. None of these →A

Ans:

Total marks of six boys $= 48+59+87+37+78+57 = 366$

Required average $= \frac{366}{6} = 61$