

Average
Chapter - 11 Worksheet

① Fill in the blanks

Ⓐ The average of a set of values is the sum of the values divide

Ⓑ Average is a number which is roughly between the smallest and the largest number of quantity.

Ⓒ The average gives us an about the idea general value of a group

Ⓓ The average is the sum of the quantities Number of the quantities.

Ⓔ Sum of the value = Average × No of quantities.

② Do as directed

Ⓐ Find the 1st 5 numbers.

ans The 1st five numbers are 2, 3, 5, 7, 11.

The sum of ~~of~~ $2 + 3 + 5 + 7 + 11 = 28$

$$\text{Average} = \frac{\text{Sum of Quantities}}{\text{No. of Quantities}}$$

$$= \frac{28}{5} = 5.6$$

So, the Average is 5.6

⑥ Find the average weight: 14g, 16g, 36g, 42g

ans

$$\text{Average} = \frac{\text{Sum of Quantities}}{\text{No. of Quantities}}$$

$$\begin{aligned} \text{The sum of Quantities} &= 14 + 16 + 36 + 42 \text{ g} \\ &= 108 \text{ g} \end{aligned}$$

$$= \frac{108}{4} = 27$$

So, the Average of the weight = 27 g

⑦ Find the average if the number of item is 15 and total value 106 item

The total number of items = 15
The total value of items = 105

$$\text{Average} = \frac{105}{15}$$

So, the Average = 7

(d) Find the Average $\frac{6}{7}$, $\frac{2}{5}$, $\frac{11}{7}$

$$= \frac{6}{7} + \frac{2}{5} + \frac{11}{7}$$

$$= \frac{30 + 14 + 55}{35}$$

$$= \frac{99}{35}$$

Number of quantities = 3

$$= \frac{99}{35} \div 3 = \frac{99}{35} \times \frac{1}{3}$$

$$= \frac{33}{39}$$

② Find the missing value : NO. of items are 21 and the average 21 then the sum of item is 431

③ Solve as per instruction

	150
① 1 st person = 153	= 150
2 nd person = 150	= 150
3 rd person = 152	= 150
4 th person = 151	= 150
-	606
	750

$$750 - 606 = 144$$

So, the 5th person height is 144m

④ The average of 5 numbers is 25 ~~and~~
The total value of 5 numbers = 25×5
= 125

⑤ The average of 5 ~~number~~ numbers is 35 =
The ~~average~~ total value of 5 numbers = 35×5
= 175

The total value of 10 no. is
 $= 125 + 185 = 310$

$$\begin{aligned} \text{Average} &= \frac{\text{Sum of } qo.}{\text{No. of } qo.} \\ &= \frac{310}{10} \end{aligned}$$

So, -the Average of the 10 no. is 31.

- © Minz's father earn average ₹ 9800.
 How much earn in 52 weeks

ans Minz's father earn average in week -
 The total ammount 52 weeks = 9800
 $₹ 9800 \times 52 = 5,09,600$

© $11 + 11.35 + 12.65 + 7.25 + 14.85 + 15.55 = 72.65$

$$\begin{aligned} \text{Average} &= \frac{\text{Sum of } qo.}{\text{No. of } qo.} \\ &= \frac{72.65}{6} \end{aligned}$$

11 years 10 months = 142

~~this = 142 months =~~

12 years = 144

12 years and 7 months = 151

11 years and 6 months = 138

13 years = 156

12 years = 144

11 years and 11 months = 143

~~13~~ 13 years and 2 months = 158

1176

147

~~1176~~

8

Average = $\frac{\text{No of go.}}{\text{Sum of go.}}$

Average = 147

Sonalzi

33

Vandana

34

Rohit

~~38~~

38

Sweta

33

Vaibhav

36

Manik

32

Zakir

36

Chris

38

280

$$\text{Average} = \frac{\text{Sum of } q_0}{\text{NO. of } q_0}$$

$$= \frac{280}{8}$$

35

$$= \frac{280}{8}$$

35

$$\text{Average} = 35$$