

Worksheet Average

1. Fill in the blanks:

- The average of a set of values is the sum of the values divided by the number of values in the set.
- Average is a number which is roughly between the smallest and the largest.
- The average gives us an idea about the general value of a set.
- The average is the mean value of the number of given values.
- Sum of the values = Average \times No. of quantities

2. Do as directed.

a) Find the average of 1st five prime numbers.

$$\text{Ans} - 2, 3, 5, 7, 11 = \frac{2+3+5+7+11}{5} = \frac{28}{5} = 5.6$$

b) What is the average weight: 14g, 16g, 36g, 42g

$$\text{Ans} - 14g, 16g, 36g, 42g = \frac{14+16+36+42}{4} = \frac{108}{4} = \frac{27}{1}$$

c) Find the average if number of items is 15 and the total value of items is 105

$$\text{Ans} - 105 \div 15 = \frac{9}{1}$$

d. Find the average of $\frac{6}{7}, \frac{2}{5}, \frac{11}{7}$

L.C.M of 7, 5, 7 = 35

$$\frac{30+14+55}{35} = \frac{99}{35} \times \frac{1}{3} = \frac{33}{35}$$