

Worksheet
AVERAGE

1. Fill in the blanks.

- a. The average of a set of values is the sum of the values divided by the number of values in the set.
- b. Average is a number which is roughly between the smallest and the Sum. of number or quantity.
- c. The average gives us an idea about the general value of a _____.
- d. The average is, the mean value of the number of given values.
- e. Sum of the values = Average X No. of quantities

2. Do as directed:

a. find the average of 1st five prime numbers.

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

$$\begin{array}{r} 5.6 \\ 5 \overline{) 28} \\ \underline{-25} \\ 30 \\ \underline{-30} \\ 0 \end{array}$$

b. What is the average weight:

14g, 16g, 36g, 42g

Ans: $\frac{14+16+36+42}{4} = \frac{108}{4} = 27$

$$\begin{array}{r} 27 \\ 4 \overline{) 108} \\ \underline{-8} \\ 28 \\ \underline{-28} \\ 0 \end{array}$$

c. Find the average if number of item is 15 and the total value of item is 105.

$$\frac{105}{15} = \frac{15 \overline{) 105}}{15} = \frac{7}{15}$$

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

$$\begin{aligned} \frac{\frac{6}{7} + \frac{2}{5} + \frac{11}{7}}{3} &= \frac{30 + 14 + 55}{35} \times 3 \\ &= \frac{99}{35} \div 3 = \frac{33}{35} \times 3 \\ &= \frac{33}{35} \end{aligned}$$