# Cosmo School

## Exercise

1. Find the average of the following quantities:

    a) 96 m, 78 m, 89 m, 73 m, 80 m, 82 m.

    b) 520 kg, 640 kg, 586 kg, 572 kg, 605 kg.

2. The weights of eight eggs are as follows:

    54 g, 56 g, 55 g, 58 g, 57 g, 50 g, 53 g, 51 g.

    Find the average weight of these eight eggs.

3. The table below shows the amount of milk taken from one cow:

| Day | Sat | Sun | Mon | Tue | Wed | Thu | Fri |
|-----|-----|-----|-----|-----|-----|-----|-----|
| Milk (litre) | 13 | 16 | 15 | 13 | 17 | 14 | 17 |

    Find the average amount of milk that this cow gives one day.

**Solution:**

1.a) Sum of quantities = (96+78+89+73+80+82) m

$$= 498 \text{ m}$$

Number of quantities = 6

We Know,

$$\text{Average} = \frac{\text{Sum of quantities}}{\text{Number of quantities}}$$

$$= \frac{498}{6} \text{ m}$$

$$= 83 \text{ m}$$

Ans: 83 m.

1.b) Sum of quantities = (520+640+586+572+605) kg

$$= 2923 \text{ kg}$$

Number of quantities = 5

We Know,

$$\text{Average} = \frac{\text{Sum of quantities}}{\text{Number of quantities}}$$

$$= \frac{2923}{5} \text{ kg}$$

$$= 584.6 \text{ kg}$$

Ans: 584.6 kg.

2. Sum of quantities = (54+56+55+58+57+50+53+51) g

$$= 434 \text{ g}$$

Number of quantities = 8

We Know,

$$\text{Average} = \frac{\text{Sum of quantities}}{\text{Number of quantities}}$$

$$= \frac{434}{8} \text{ g}$$

$$= 54.25 \text{ g}$$

Ans: 54.25 g.

3. Sum of quantities = (13+16+15+13+17+14+17) L

$$= 105 \text{ L}$$

Number of quantities = 7

We Know,

$$\text{Average} = \frac{\text{Sum of quantities}}{\text{Number of quantities}}$$

$$= \frac{105}{7} \text{ L}$$

$$= 15 \text{ L}$$

Ans: 15 L.