

## Data - Mean and Range

Here are the weights, in kg, of 7 people.

57      87      49      49      72      45      75

(a) Work out the range of these weights.

..... kg  
**(2)**

(b) Work out the mean weight.

..... kg  
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Here are the weights, in kg, of 7 people.

57      87      49      49      72      45      75

(a) Work out the range of these weights.

$$\begin{aligned} \text{Range} &= \text{Highest} - \text{Lowest} \\ &= 87 - 45 \\ &= 42 \end{aligned}$$

$$\begin{array}{r} 87 \\ 45 - \\ \hline 42 \end{array}$$

$$\begin{array}{r} 42 \\ \hline \text{kg} \\ (2) \end{array}$$

(b) Work out the mean weight.

Add up data items then divide by number of items

$$= \frac{57 + 87 + 49 + 49 + 72 + 45 + 75}{7} = 62 \text{ kg}$$

$$\begin{array}{r} 62 \\ \hline \text{kg} \\ (2) \end{array}$$