

Data - Mean and Range

Q1

Here are ten numbers.

7 6 8 4 5 9 7 3 6 7

(a) Work out the range.

.....
(2)

(b) Work out the mean.

.....
(2)

Q2

Rosie made a list of her test marks.

2 3 3 2 4 7 7 10 7

(a) Write down the mode.

.....
(1)

(b) Work out the range of her marks.

.....
(2)

(c) Work out her mean mark.

.....
(2)

Data - Mean and Range

Q1

Here are ten numbers.

7 6 8 4 5 9 7 3 6 7

(a) Work out the range. *Highest - Lowest*

$$\begin{aligned} &= 9 - 3 \\ &= 6 \end{aligned}$$

$$\begin{array}{r} 6 \\ \hline \end{array} \quad (2)$$

(b) Work out the mean.

$$\text{mean} = \frac{7 + 6 + 8 + 4 + 5 + 9 + 7 + 3 + 6 + 7}{10} = \frac{62}{10}$$

$$\begin{array}{r} 6.2 \\ \hline \end{array} \quad (2)$$

Q2

Rosie made a list of her test marks.

2 3 3 2 4 7 7 10 7

(a) Write down the mode.

Mode occurs most often

$$\begin{array}{r} 7 \\ \hline \end{array} \quad (1)$$

(b) Work out the range of her marks.

$$\begin{aligned} &\text{Highest} - \text{Lowest} \\ &= 10 - 2 \\ &= 8 \end{aligned}$$

$$\begin{array}{r} 8 \\ \hline \end{array} \quad (2)$$

(c) Work out her mean mark.

$$\text{mean} = \frac{2 + 3 + 3 + 2 + 4 + 7 + 7 + 10 + 7}{9} = \frac{45}{9}$$

$$\begin{array}{r} 5 \\ \hline \end{array} \quad (2)$$