



Work out

$$\sqrt{150} - \sqrt{24}$$

$$\mathbf{c} = \begin{pmatrix} -3 \\ q \end{pmatrix} \quad \mathbf{d} = \begin{pmatrix} p \\ 2 \end{pmatrix}$$

Given $4\mathbf{d} - \mathbf{c} = \begin{pmatrix} 1 \\ -7 \end{pmatrix}$

Work out the values of p and q

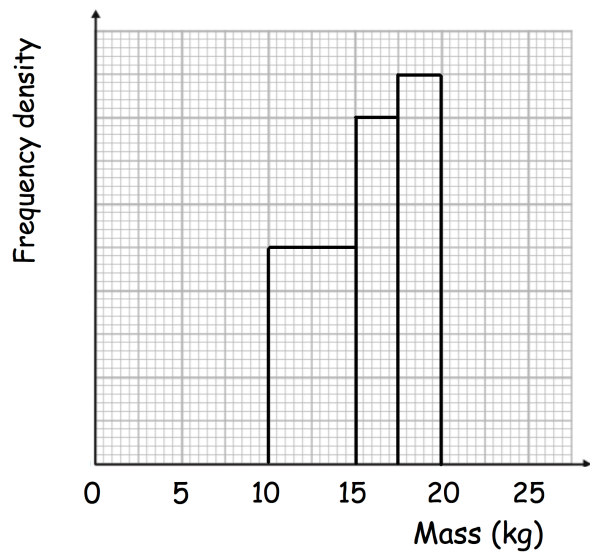
The histogram shows some information about the masses of suitcases.

All suitcases weighed 20kg or less.

90% of the suitcases weighed more than 10kg.

Twice as many suitcases weighed less than 5kg than between 5kg and 10kg.

Complete the histogram.



Work out an estimate of the interquartile range.