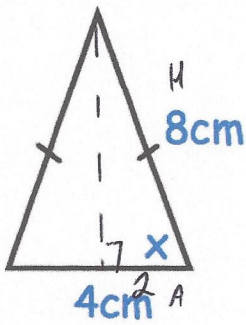


19th May



Corbettmaths



Find x

$$\cos x = \frac{2}{8}$$

$$x = \cos^{-1} \frac{1}{4}$$

$$= 75.5^\circ$$

A rectangular rugby pitch has width 74 metres, measured to the nearest metre.

Write down the upper bound of the width of the pitch.

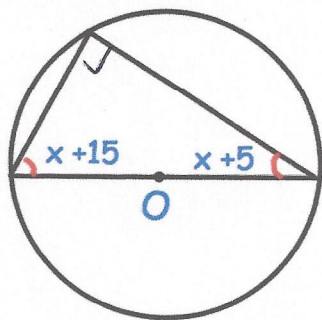
$$74.5 \text{ m}$$

The length of the pitch is 115 metres, measured to the nearest 5 metres.

$$UB = 117.5 \text{ m}$$

Work out the upper bound for the perimeter of the pitch

$$\begin{array}{r} 74.5 \\ 74.5 \\ 117.5 \\ 117.5 \\ \hline 384.0 \end{array} \quad 384 \text{ m}$$

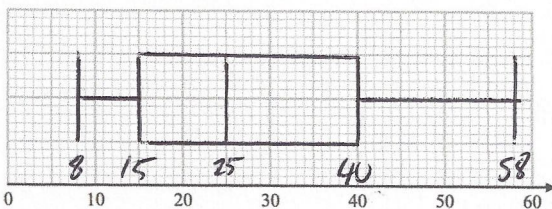


Find x

$$2x + 20 = 90$$

$$2x = 70$$

$$x = 35^\circ$$



A puzzle is completed by 120 students. The quickest time was 8 seconds. 90 of the students took less than 40 seconds.

The median and interquartile range are equal.

The range is double the interquartile range. Draw a possible box plot for this information