

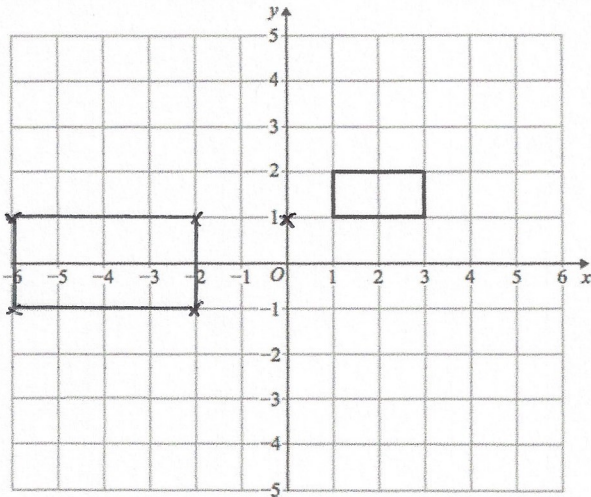
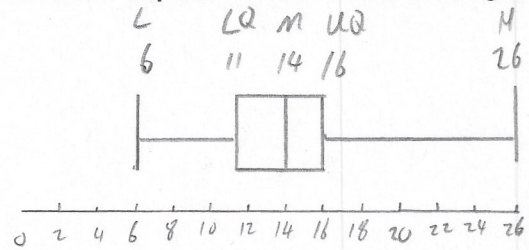
24th October



Corbettmaths

Lowest Value	6
Median	14
Upper Quartile	16
Range	20
Interquartile Range	5

Draw a box plot for the information given



Enlarge the rectangle by scale factor -2 , using $(0, 1)$ as centre of enlargement.

Solve

$$2x^2 + 11x + 5 = 0$$

$a = 2$
 $b = 11$
 $c = 5$

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

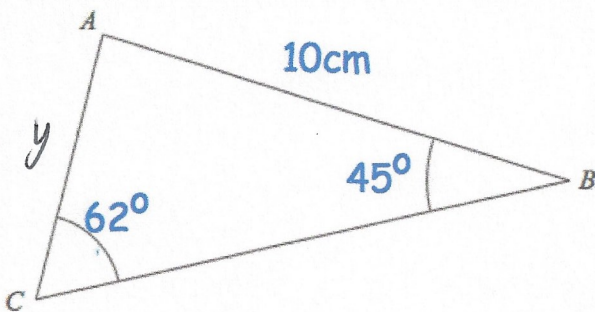
$$x = \frac{-11 \pm \sqrt{121 - 40}}{4}$$

$$x = \frac{-11 \pm \sqrt{81}}{4}$$

$$x = \frac{-11 + \sqrt{81}}{4} = -\frac{1}{2}$$

$$x = -\frac{1}{2} \text{ or } x = -5$$

$$x = \frac{-11 - \sqrt{81}}{4} = -5$$



Find the length of AC.

$$\frac{y}{\sin 45} = \frac{10}{\sin 62}$$

$$y = 8 \text{ cm}$$