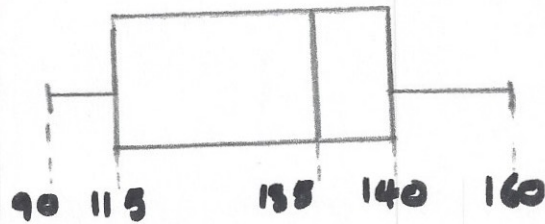


2nd June



Lower Quartile	115
Median	135
Highest Value	160
Range	70
Interquartile Range	25

Draw a box plot for the information given



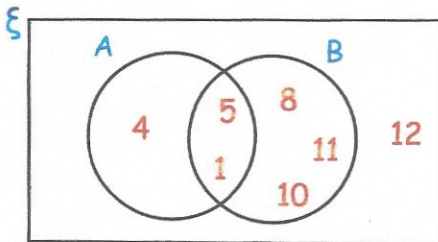
Solve using the quadratic formula

$$4x^2 - 12x + 9 = 0$$

$$x = 1.5$$

$$x = \frac{12 \pm \sqrt{144 - 4 \times 4 \times 9}}{2 \times 4}$$

$$= \frac{12 \pm 0}{8} = 1\frac{1}{2}$$

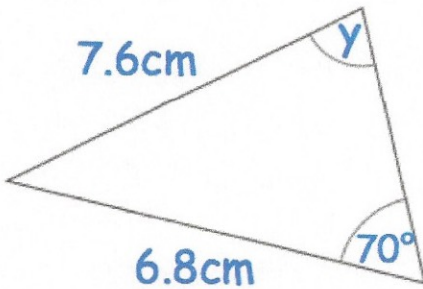


Write down  $P(A \cap B)$

$$\frac{2}{7}$$

Write down  $P(A' \cap B')$

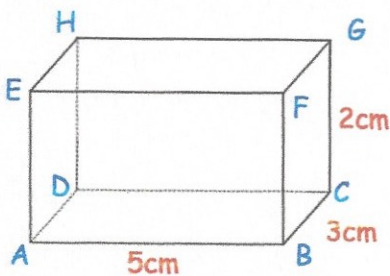
$$\frac{1}{7}$$



Find  $y$ .

$$\frac{\sin y}{6.8} = \frac{\sin 70}{7.6}$$

$$y = \underline{57.2^\circ}$$



Calculate the length of diagonal BH. Give your answer as a surd.

$$5^2 + 3^2 + 2^2 = 38$$

$$BH = \sqrt{38}$$