

3rd June



Corbettmaths

$$x : y = 2 : 5$$

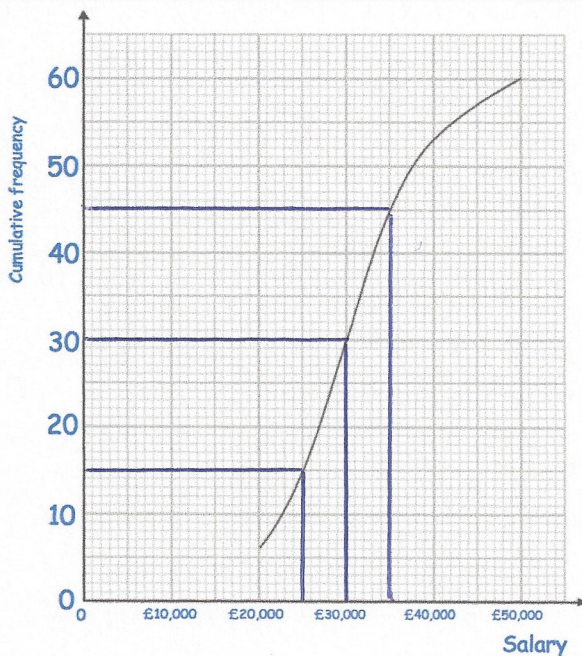
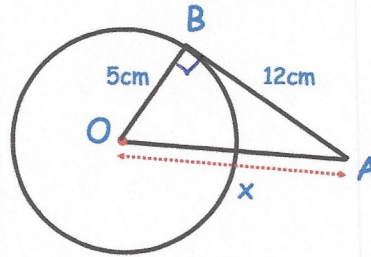
Write down a formula for x in terms of y

$$x = \frac{2}{5}y$$

AB is a tangent.

Find x

$$\begin{aligned} 5^2 + 12^2 &= x^2 \\ 25 + 144 &= x^2 \\ 169 &= x^2 \quad x = 13\text{cm} \end{aligned}$$



Use the graph to find an estimate of the median

$$£30,000$$

Use the graph to find an estimate of the interquartile range

$$\begin{aligned} &£35000 - £25000 \\ &= £10000 \end{aligned}$$

Work out

$$16^{\frac{3}{2}}$$

$$\sqrt{16} = 4$$

$$4^3 = 64$$