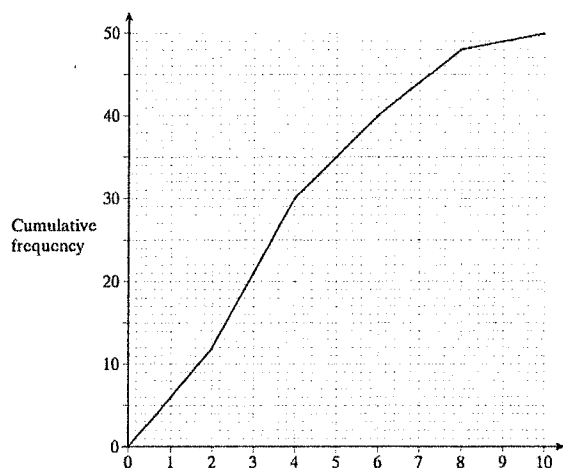


29th January



Corbettmaths



Estimate the median

3.4

Estimate the interquartile range.

3.5

James, Fred and Kevin each take a penalty

The probability James scores is $\frac{1}{5}$

The probability Fred scores is $\frac{2}{3}$

The probability Kevin scores is $\frac{3}{4}$

What is the probability that all three miss?

$$\frac{1}{5} \times \frac{1}{3} \times \frac{1}{4} = \frac{1}{60}$$

A circle has an area of 120cm^2 to the nearest 10cm^2 .

Work out the upper bound of the radius

$$\sqrt{\frac{125}{\pi}} = 6.31 \text{ (3sf)}$$

Solve

$$5y^2 - 4y - 1 = 0$$

$$(5y + 1)(y - 1)$$

$$y = -0.2 \text{ or } -\frac{1}{5}$$

$$y = 1$$