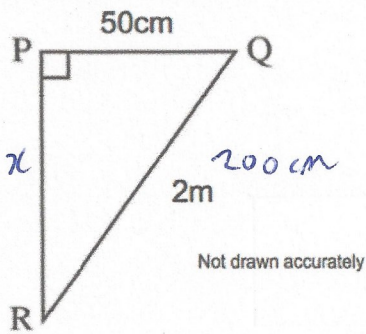


4th September



Corbettmaths



Calculate the length of PR.

$$x^2 + 50^2 = 200^2$$

$$x^2 = 37500$$

$$x = 193.65 \text{ cm}$$

W is inversely proportional to A squared.

$$W \propto \frac{1}{A^2}$$

When $W = 10$, $A = 2$.

$$W = \frac{k}{A^2}$$

Find W when $A = 4$.

$$10 = \frac{k}{4}$$

$$k = 40$$

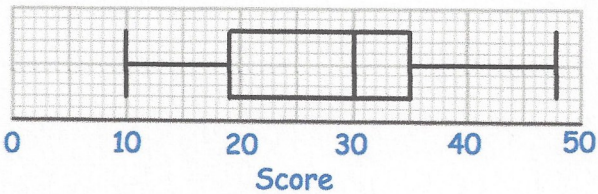
$$W = \frac{40}{A^2}$$

$$W = \frac{40}{16} = 2.5$$

Work out

$$25^{1/2} \div 2^{-2}$$

$$5 \div \frac{1}{4} = 20$$



Write down the interquartile range

$$35 - 19 = 16$$

Expand $\sqrt{10}(5 + \sqrt{10})$

$$5\sqrt{10} + 10$$