

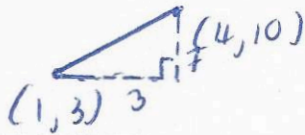
28th February



Corbettmaths

Calculate the distance between (1,3) and (4,10).

Leave your answer as a surd



$$3^2 + 7^2 = 58$$

$$\sqrt{58}$$

Simplify $\sqrt{75}$

$$\sqrt{25} \times \sqrt{3}$$

$$5\sqrt{3}$$

Solve, giving your answers to one decimal place.

$$x^2 + 7x = 20$$

$$x^2 + 7x - 20 = 0$$

$$a = 1$$

$$b = 7$$

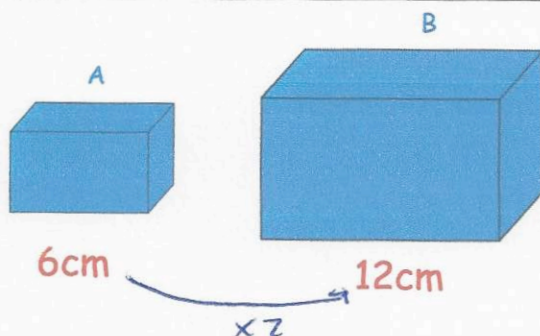
$$c = -20$$

Using the quadratic formula

$$x = 2.2$$

or

$$x = -9.2$$



Cuboid A and cuboid B are similar.
The surface area of cuboid B is 1800cm^2 .
Work out the surface area of cuboid A.

$$1800 \div 2^2$$

$$1800 \div 4 = 450$$

Work out

$$1\frac{2}{3} + 2\frac{1}{4} \times \frac{7}{15}$$

$$\frac{5}{3} + \frac{9}{4} \times \frac{7}{15}$$

$$\frac{5}{3} + \frac{63}{60}$$

$$\frac{100}{60} + \frac{63}{60} = \frac{163}{60}$$

$$= 2\frac{43}{60}$$