

**13th September**

Corbettmaths

The equation

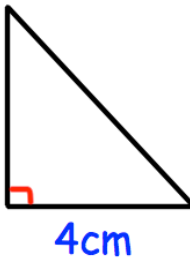
$$x^3 + 4x = 170$$

has a solution between 5 and 6.

Find this solution to 2 decimal places.

 $x$  is an integer.Write down all the solutions of the inequality  $3 < 2x + 1 < 11$ 

6cm



4cm

Calculate the length of the missing side

A village is 20 miles from Belfast.

Conor drives from the village to Belfast at 40mph

Kelly drives from the village to Belfast at 50mph

Work out how much longer the journey takes Conor.

Give your answer in minutes.

