

**27th April**

Corbettmaths

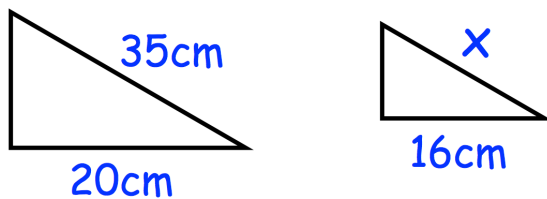
The equation

$$2x^2 + 3x = 50$$

has a solution between 4 and 5.  
Find this solution to 1 decimal place.

Write 237.5% as a fraction.  
Give your answer in its simplest form.

Every weekday, Raymond runs  $2\frac{1}{2}$  miles.  
On a Saturday and a Sunday, he runs  $4\frac{2}{3}$  miles.  
  
How far does Raymond run over the course of 1 week?



The two triangles are mathematically similar.  
Find x

Calculate the density of a piece of wood with a mass of 21g and a volume of  $35\text{cm}^3$