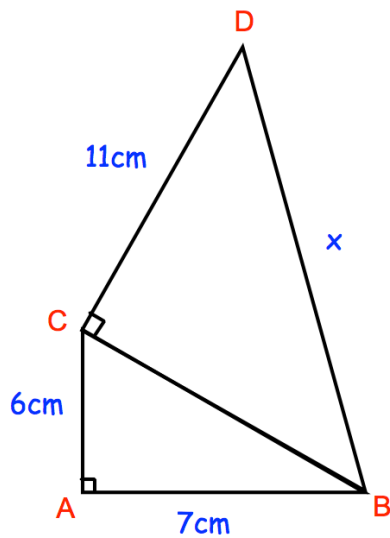


22nd March



Corbettmaths



Find the length of BD

Find the area of triangle BCD.

Explain why the area of a rectangle increases by a factor of 4 when the side length is doubled.

A wire of length 20cm is cut into **two** pieces, each of which is bent into a square.

If the length of the side of one square is x cm, show that the length of the side of the other square is $(5 - x)$ cm.

The **total** area of the two squares is 14.5cm^2 .

Find the lengths of the two pieces of wire.