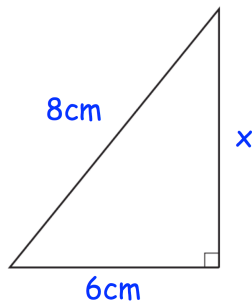


11th December



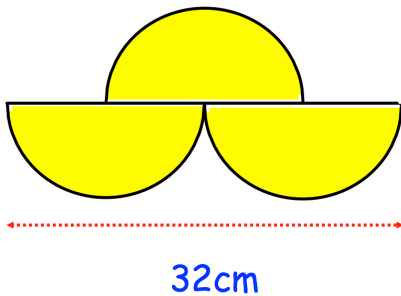
Corbettmaths



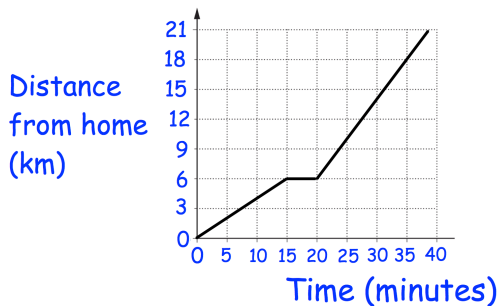
Find x

2w	w	3w
4w	x	7x
22x	w	y

Every row adds up to 24.  
Find the value of  $w^2 + x^2 + y^2$



Shown is a shape made from semi-circles.  
Find the area.



The distance-time graph shows **part** of Hannah's journey to Ipswich.

She leaves her home and travels for 15 minutes.  
She then stops for 5 minutes to make a phone call and carries on her journey for another 2 hours at a constant speed.

What speed was Hannah travelling in the first 15 minutes of the journey

How far does Hannah travel, in total, to get to Ipswich?