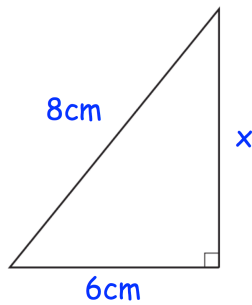


11th December



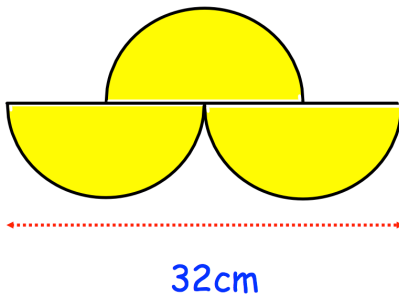
Corbettmaths



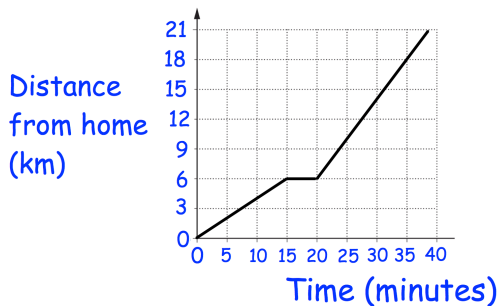
Find  $x$

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

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

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

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