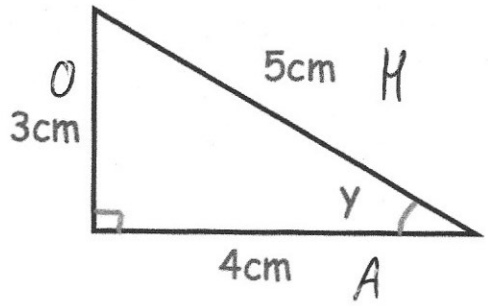
4th February **Higher 5-a-day**

Corbettmaths



Write down the value of Sin y.

$\sin y = \frac{O}{H}$

$= \frac{3}{5}$

Write down the value of Cos y.

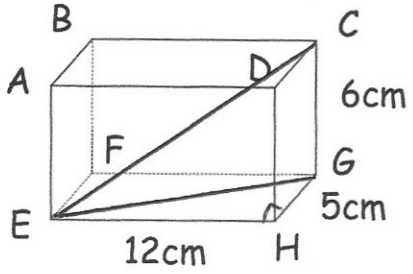
$\cos y = \frac{A}{H}$

$\cos y = \frac{4}{5}$

Write down the value of Tan y.

$\tan y = \frac{O}{A}$

$= \frac{3}{4}$



$5^2 + 12^2$

$25 + 144$

$\sqrt{169} = 13$

$EG = 13$ cm

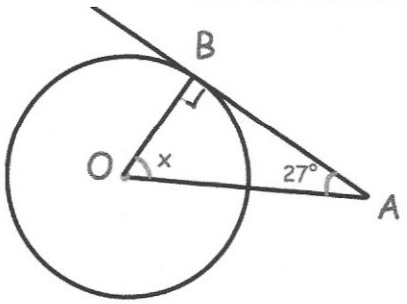
Work out the length of CE

$CE^2 = 6^2 + 13^2$

$CE^2 = 205$

$CE = 14.32$ cm

to 2 dp



AB is a tangent.
Find x.

$180 - 90 - 27$

$= 63°$

The heights of 6 plants are listed below.
Each height is correct to one decimal place.

4.45	7.15	8.05
4.5cm	7.2cm	8.1cm
9.6cm	9.1cm	3.1cm
9.55	9.05	3.05

Work out the smallest possible mean.

$41.3 \div 6$

$6.88\dot{3}$ cm