

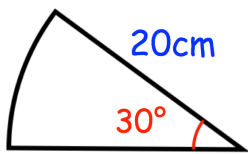
19th July



Corbettmaths

Simplify

$$\frac{2a + 12}{a^2 - 36}$$

*Perimeter*

$$= \frac{30}{360} \times \pi \times 20$$

$$= 5.236cm$$

Tom is calculating the perimeter of the sector.

Can you spot any mistakes?

There are red, green, pink and white counters in a box.
 There are an equal number of red and white counters.
 There are ten times more green than white counters.
 There are twice as many red than pink counters.

Jim takes a counter at random from the box.
 Work out the probability than Jim takes a green counter.

A cylinder has radius y cm and height $2y$.

Write an expression for the volume of the cylinder.