

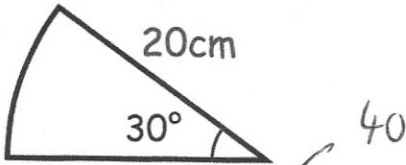


Simplify

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

$$\frac{2(a+b)}{(a+b)(a-b)}$$

$$\frac{2}{a-b}$$



$$\frac{30}{360} \times \pi \times (20) = 5.236 \text{ cm}$$

Tom is calculating the perimeter of the sector.

Can you spot any mistakes?

- 1) he should use the diameter (40)
- 2) he needs to add on the two radii.

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 that Jim takes a green counter.

R	G	P	W
1	10	0.5	1
2	20	1	2

$$\frac{20}{25} = \frac{4}{5}$$

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

Write an expression for the volume of the cylinder.

$$\pi r^2 h$$

$$\pi \times y^2 \times 2y$$

$$2\pi y^3$$