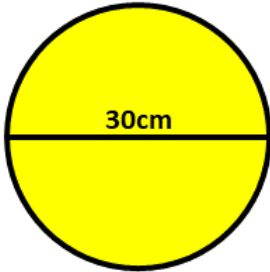




This is level 1; find the circumference given the radius or diameter. Give your answers correct to three [significant figures](#). You can earn a trophy if you get at least 7 correct. The diagrams are not drawn to scale.



The diameter of this circle is 30cm.

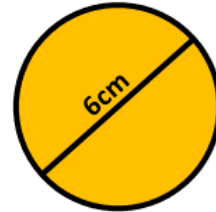
Calculate the distance around the circle (circumference).

Don't forget to round off your answer to three significant figures.

**94.2** cm ✓

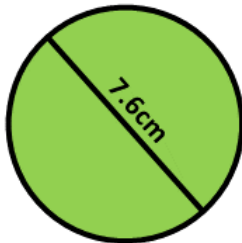
.....

Calculate the circumference of this circle if the diameter is 6cm.



**18.8** cm ✓

.....



This third circle has a diameter of 7.6cm.

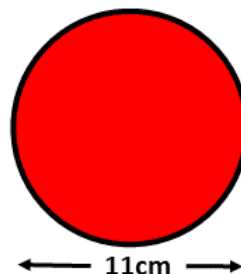
Calculate its circumference.

**23.9** cm ✓

.....

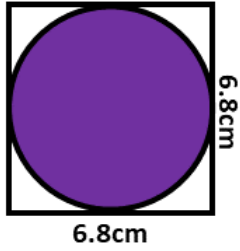
You should be getting good at finding the circumference of a circle by now.

Calculate the circumference of this circle if the diameter is 11cm.



**34.5** cm ✓

.....

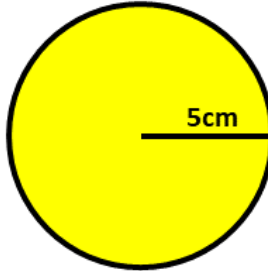


Calculate the circumference of this circle drawn inside a square with sides of length 6.8cm.

**21.4** cm ✓

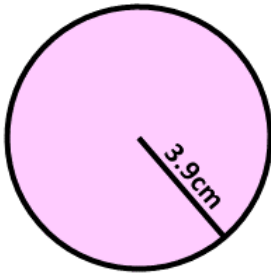
.....

You are given the radius of this circle, not the diameter. What is its circumference?



**31.4** cm ✓

.....

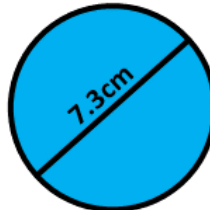


Calculate the circumference of a circle if the radius is 3.9cm.

**24.5** cm ✓

.....

Calculate the circumference of a circle if the diameter is 7.3cm.



**22.9** cm ✓

.....

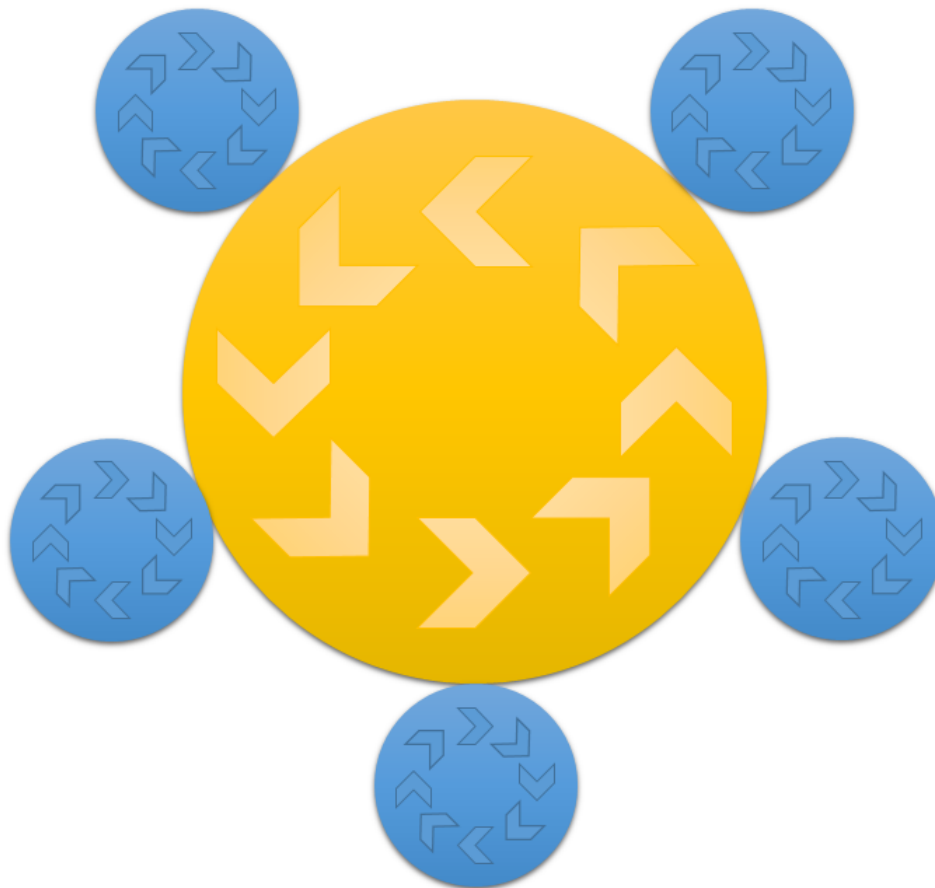
Calculate the circumference of circular jar if its radius is 95mm.

**597** mm ✓

.....



The magic roundabout in Swindon consists of five small traffic islands around one large island. Vehicles can drive clockwise around the small islands and anticlockwise around the large island.



If a car drives around every island once and finishes in the same place it started work out the total distance travelled.

Assume the small islands have a radius of 9m and the large island has a radius of 27m.

452 m ✓

.....