This is level 2; find the radius or diameter given the circumference. 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.

Calculate the diameter of a circle if the circumference is 3.8cm.

1.21 cm ✓
....

Calculate the diameter of a circle if the circumference is 7.8cm.

2.48 cm ✓
....

Calculate the radius of a circle if the circumference is 8.3cm.
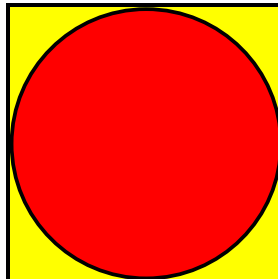
1.32 cm ✓
....

Calculate the radius of a circle if the circumference is 4.2cm.

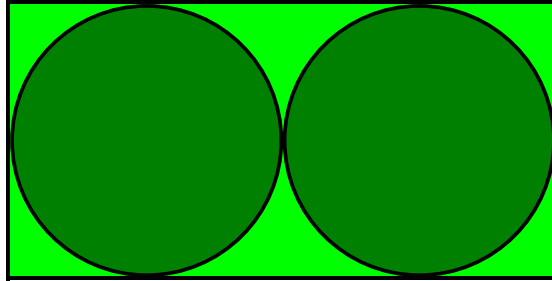**0.669** cm ✓
....

A circle is drawn inside a square so its circumference touches each of the four sides of the square. If the circumference of the circle is 6.1cm calculate the length of the sides of the square.

1.94 cm ✓
....

Two circles are drawn inside a rectangle so their circumferences touch each other and three sides of the rectangle. If the circumferences of the circles are 6.9cm each, calculate the length of the longest sides of the rectangle.

4.39 cm ✔

....

A circular table cloth has a hem all the way around its perimiter. The length of this hem is 424cm. What is the radius of the table cloth?

67.5 cm ✔

....

Jan likes to go jogging around circular park. One complete circuit is 500m. Assuming the park is a circle, what is the distance across the circle from the eastern-most point to the western-most point?

159 m ✔

....

The circumference of the Earth is roughly forty thousand kilometres. Use this value to calculate the distance from the surface to the centre of the Earth.

6370 km ✔

....

47 coins are laid flat end to end to form a long line of coins. If all of the coins have circumferences of 8.2mm, calculate the total length of the line. Give your answer in centimetres.

12.3 cm ✔

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