

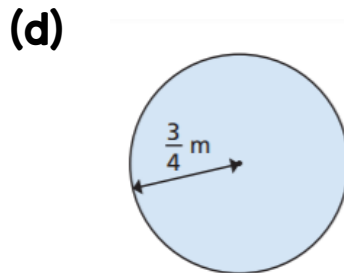
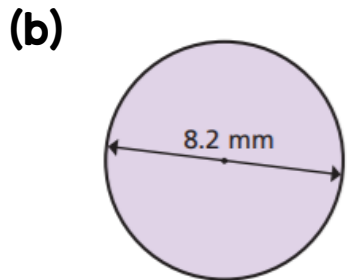
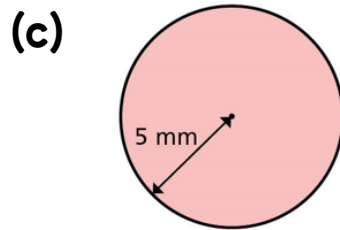
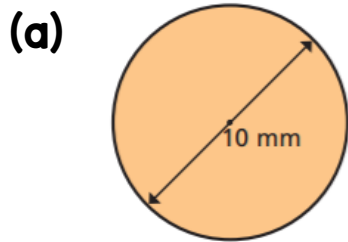
Summer Term Maths Year 10

Circumference of a circle

Day
1

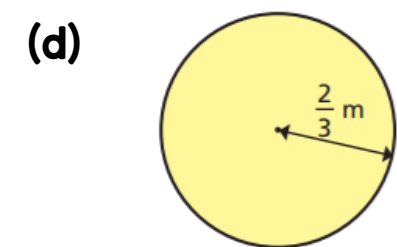
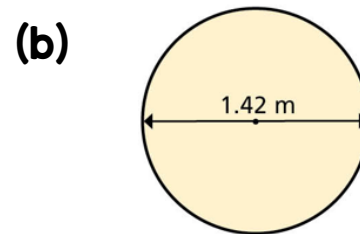
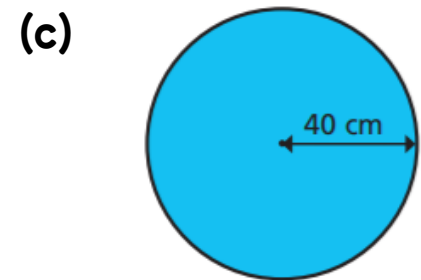
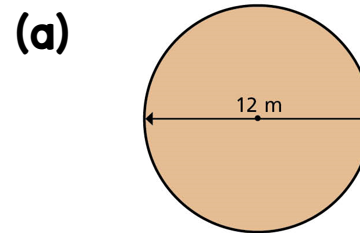
Week 4

1 Find the circumference of these circles giving your answer in terms of π .



2 Explain why two of the circles in question one have the same value for their circumference.

3 Use a calculator to find the circumference of these circles giving your answers to 3 significant figures.



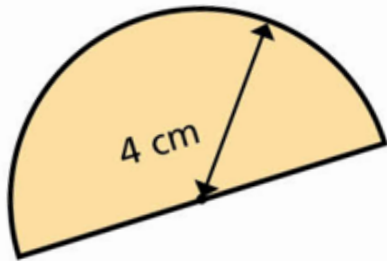
Summer Term Maths Year 10

Circumference of a circle

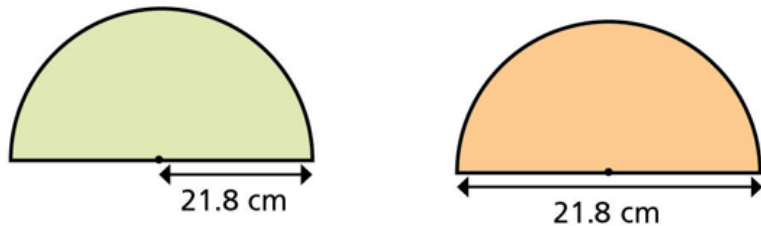
Day 1

Week 4

- 4 Find the perimeter of the semi-circle giving your answer in terms of π .



- 5 Find the perimeter of the semi-circles, give you answer to 2 decimal places.



What do you notice about your answers?

- 6 The circumference of a circle is 90 cm.

- (a) Find the diameter of the circle.
(b) Find the radius of the circle

- 7 A wheel with a diameter of 30 cm is rolled 50 m. How many complete revolutions does the wheel make?

- 8 The diagram below shows part of a children's toy. It has been made from a single piece of wire. What is the total length of wire?

