

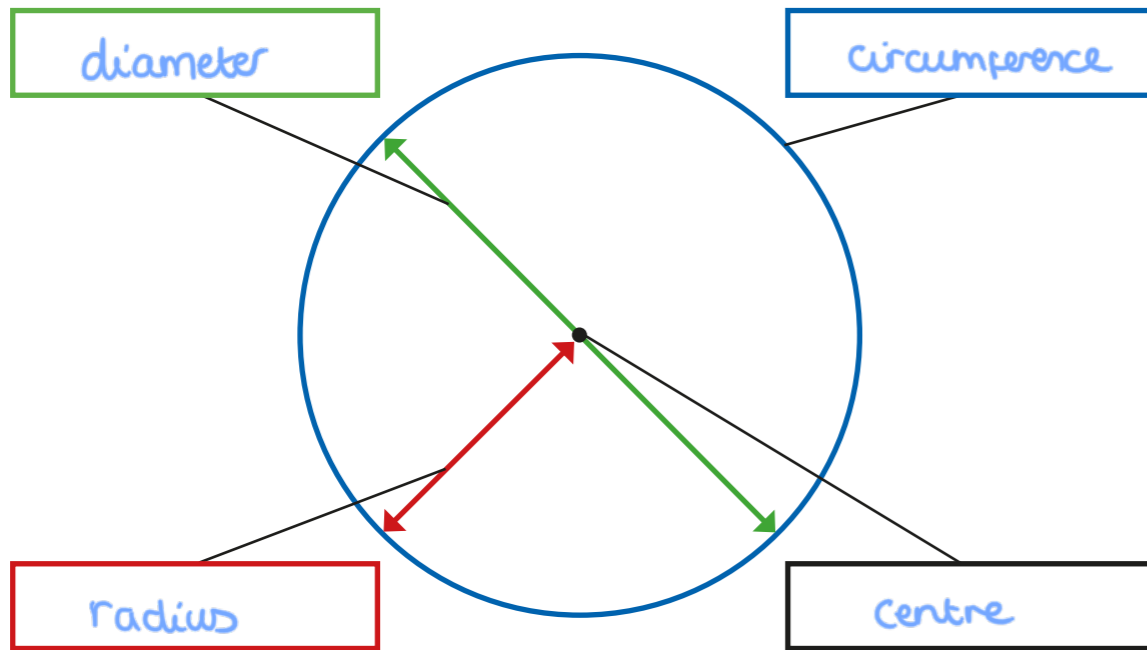
1 Use the words to label the parts of the circle.

radius

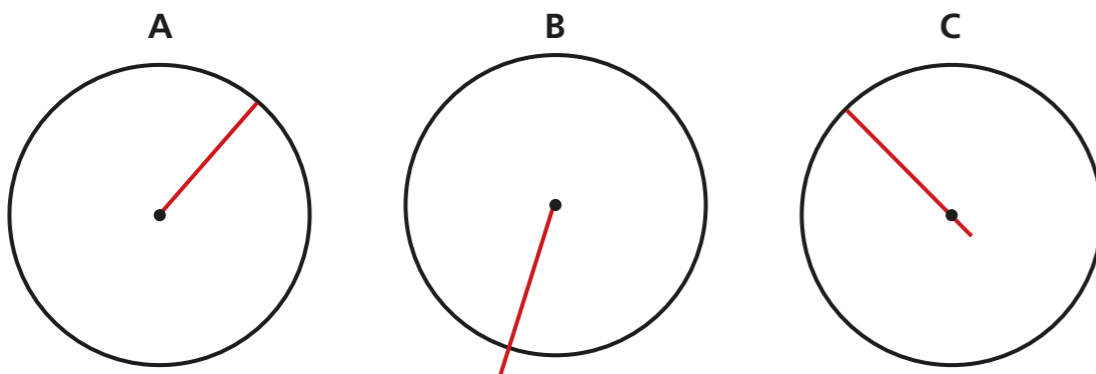
diameter

circumference

centre



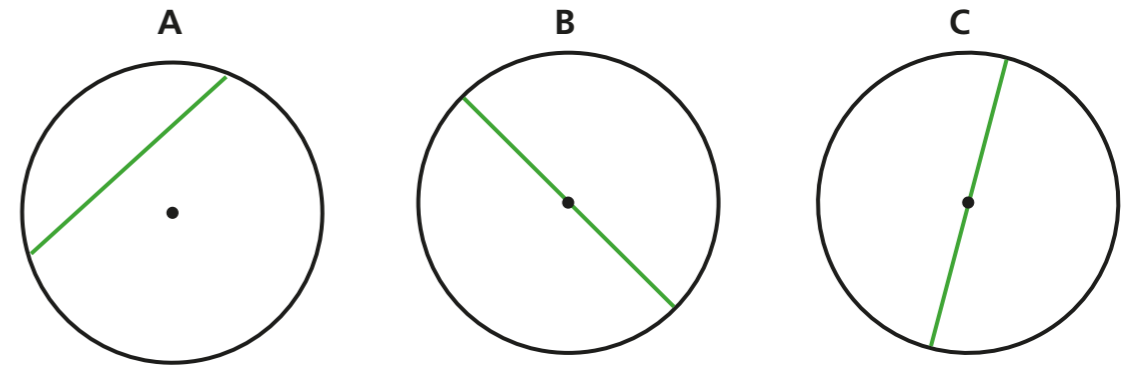
2 All the circles show a radius.



Is the statement true or false? false

Explain your answer.

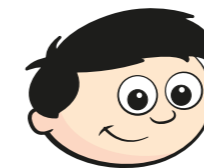
3 All the circles show a diameter.



Is the statement true or false? false

Explain your answer.

4



I know the radius of a circle is 12 cm, so the diameter must be 6 cm.

Do you agree with Dexter? No

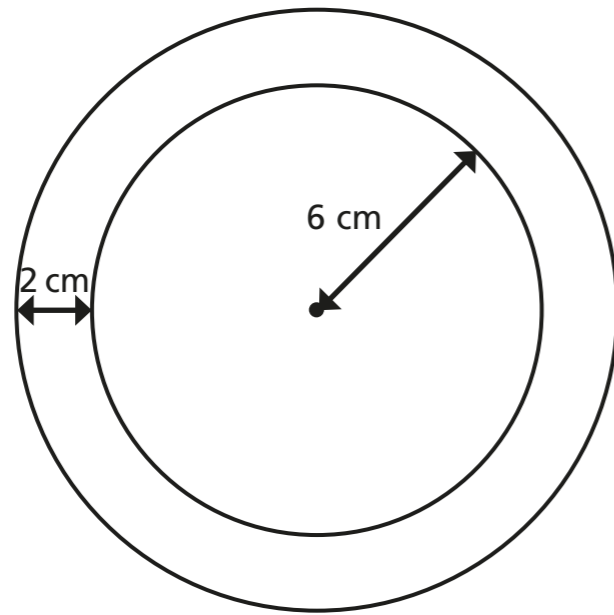
Explain your answer.

If the radius is 12 cm then the diameter must be 24 cm.

5 Complete the table.

Radius	Diameter
4 cm	8 cm
6 m	12 m
4.5 mm	9 mm
3.5 km	7 km
6.3 cm	12.6 cm

- 6 The two circles have the same centre.



Complete the sentences.

The radius of the inner circle is

6 cm

The diameter of the inner circle is

12 cm

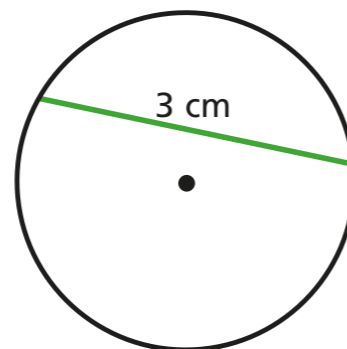
The radius of the outer circle is

8 cm

The diameter of the outer circle is

16 cm

- 7 Annie thinks she has accurately measured and labelled the diameter of the circle.



- a) Is Annie correct? No

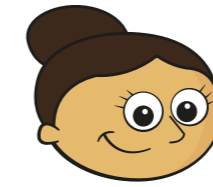
Explain your answer.

It doesn't go through the centre.

- b) Is the diameter greater or less than 3 cm?

Explain how you know to a partner.

8



The diameter of a circle is always greater than the radius.

Is Dora correct? Yes

Explain your answer.

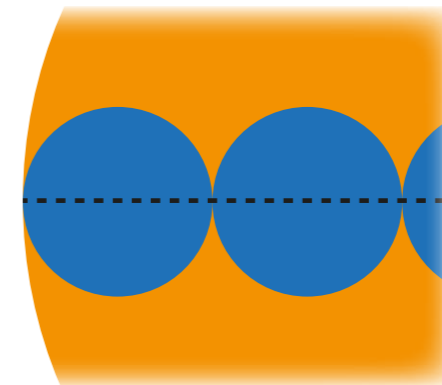
The diameter is always twice the radius.

9

Filip has a large circle with a diameter of 20 cm.

He also has several smaller circles with a radius of 2 cm.

He places the small circles along the diameter of the larger circle as shown.



How many small circles will fit across the larger circle?

5

small circles

