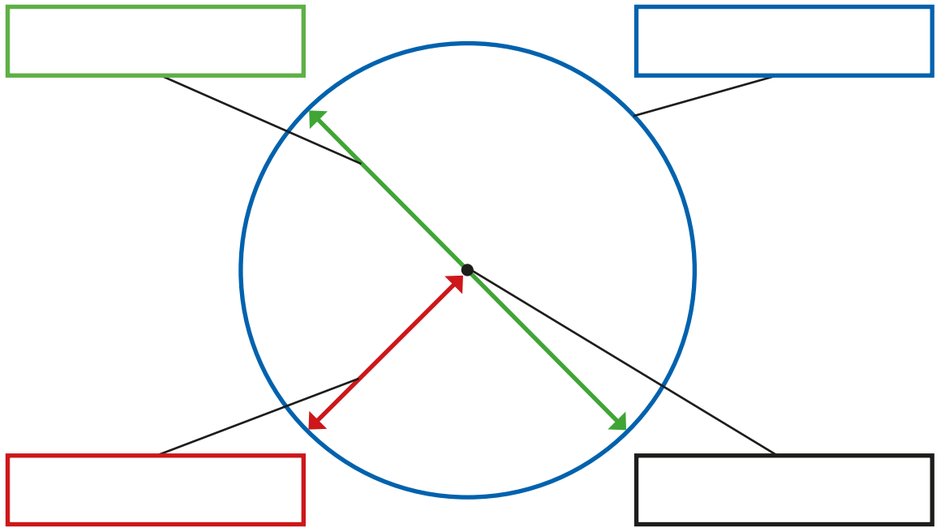
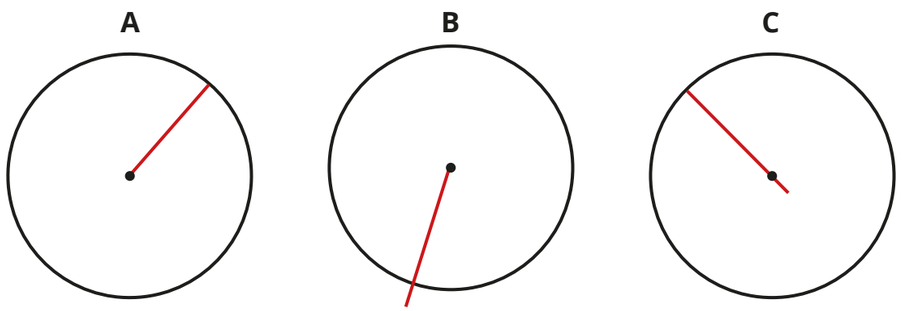
Circles

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

radius | diameter | circumference | centre



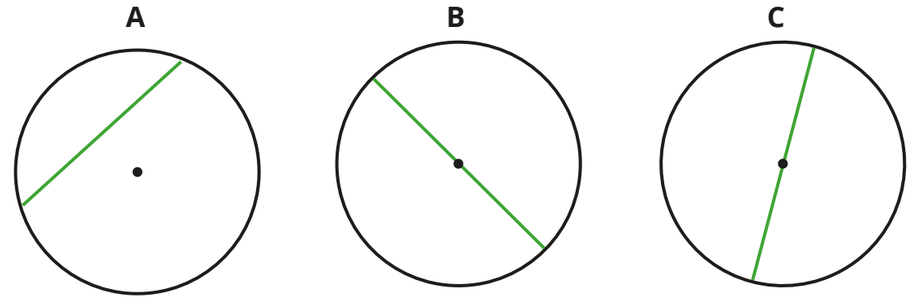
2 The radius has been marked on each circle.



Is the statement true or false? _____

Explain your answer.

3 The diameter has been marked on each circle.



Is the statement true or false? _____

Explain your answer.

4

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

Do you agree with Max? _____

Explain your answer.

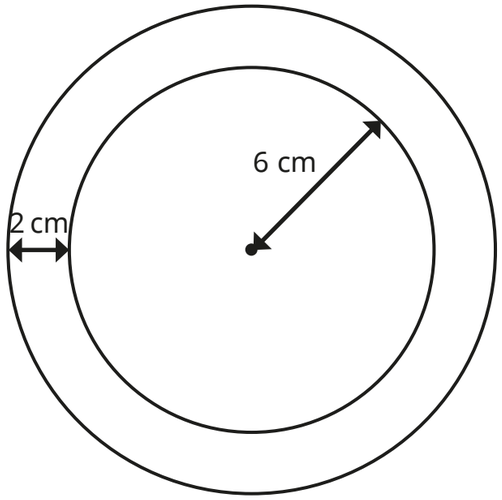
_____

_____

5 Complete the table.

Radius	Diameter
4 cm	
	12 m
	9 mm
3.5 km	
	12.6 cm

6 The two circles have the same centre.



Complete the sentences.

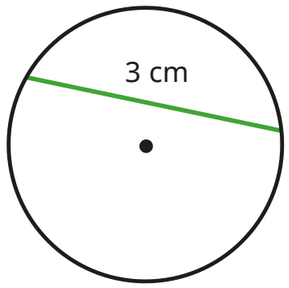
The radius of the inner circle is ☐

The diameter of the inner circle is ☐

The radius of the outer circle is ☐

The diameter of the outer circle is ☐

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



a) Is Annie correct? _____

Explain your answer.

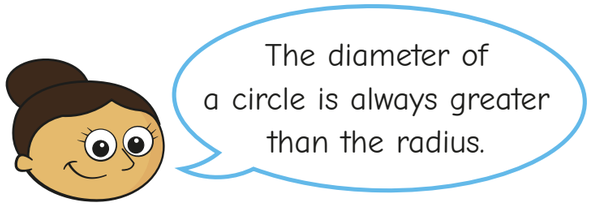
_____

_____

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

Explain how you know.

8



Is Dora correct? _____

Explain your answer.

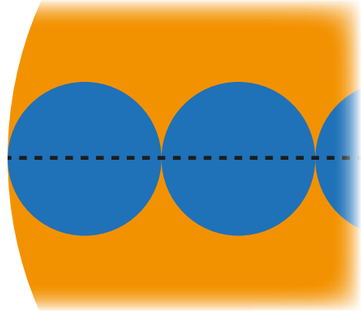
_____

_____

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?

☐