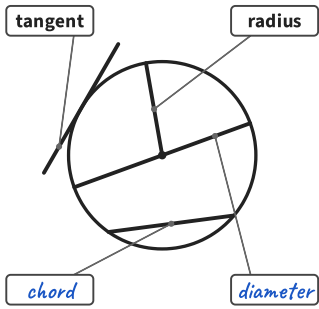


Parts of a Circle

ANSWERS

1

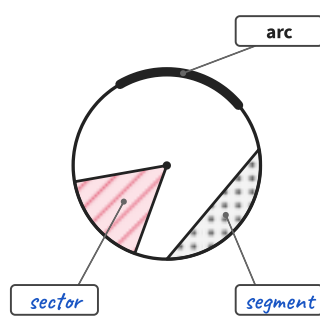
Label the parts of the circle.



Lines first, then curves and regions.

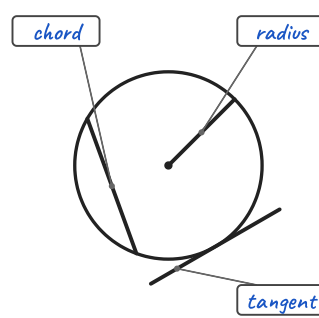
2

Label the parts of the circle.



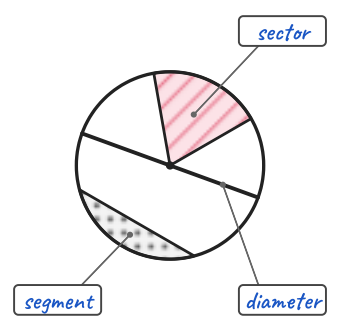
3

Label the parts of the circle.



4

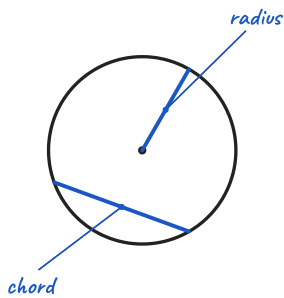
Label the parts of the circle.



5

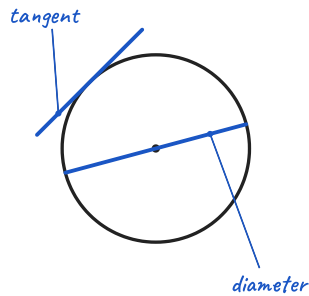
Notice the change!

Draw and label a radius and a chord.



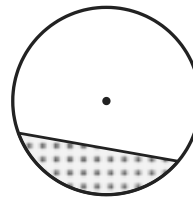
6

Draw and label a diameter and a tangent.



7

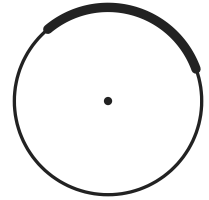
Name the shaded region.



Answer segment

8

Name the part shown in bold.



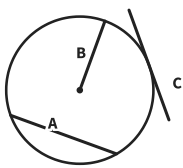
Answer arc

Parts of a Circle further practice

ANSWERS

9

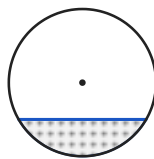
Name the parts of the circle labelled A, B and C.



Answer A chord, B radius, C tangent

10

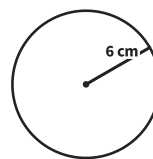
Draw a chord that is not a diameter. Shade the smaller segment it makes.



the smaller segment

11

The radius of this circle is 6 cm. How long is the longest chord you can draw in it?

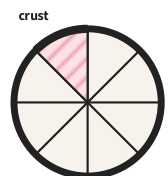


the longest chord is a diameter

Answer 12 cm

12

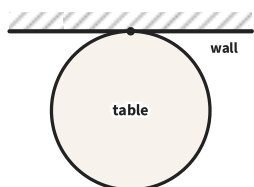
A round pizza is cut into 8 equal slices from the centre. Name the shape of one slice, and the part of the circle its crust makes.



Answer a sector, an arc

13

A round table is pushed against a straight wall. The edge of the wall touches the circle of the table at one point. What is this line called?



Answer a tangent

14

Write True or False for each statement.

A diameter is twice as long as a radius.

True

A tangent crosses the circle at two points.

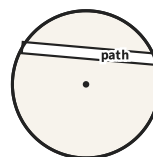
False

Every diameter is a chord.

True

15

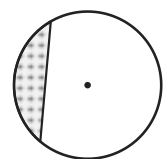
A straight path crosses a round lawn. It does not pass through the centre. Name the part of the circle the path makes, and the shape of each piece of lawn.



Answer a chord, two segments

16

Ben says the shaded region is a sector because one of its edges is an arc. Is Ben right? Explain.



its straight edge is a chord

Answer No, it is a segment