

Name: _____

Exam Style Questions

Parts of the Circle



Corbettmaths

Ensure you have: Pencil, pen, ruler, protractor, pair of compasses and eraser

You may use tracing paper if needed

Guidance

1. Read each question carefully before you begin answering it.
2. Don't spend too long on one question.
3. Attempt every question.
4. Check your answers seem right.
5. Always show your workings

Revision for this topic

www.corbettmaths.com/contents

Video 61

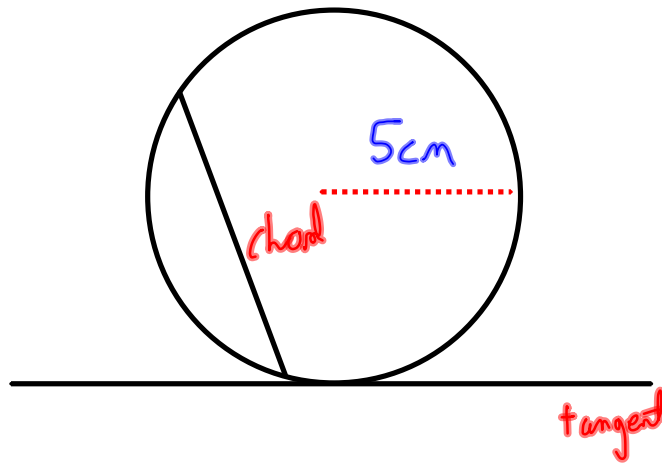


1. Here are 6 diagrams and 6 labels.
In the diagram the centre of the circle is shown with a dot.

Match each diagram to its label.
One has been done for you.

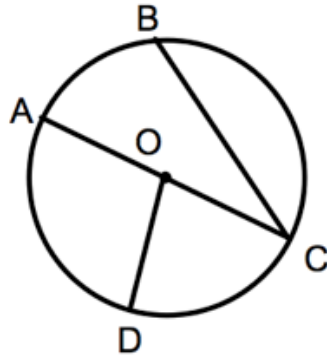
Label	Diagram
Circle and radius	
Circle and segment	
Circle and arc	
Circle and diameter	
Circle and tangent	
Circle and chord	

2. (a) Draw a circle of radius 5cm.



- (b) Write down the length of the diameter of the circle. (1)
- 10
.....cm
(1)
- (c) On your diagram draw a chord. (1)
- (d) On your diagram draw a tangent to the circle. (1)

3. Points A, B, C and D are four points on the circle with centre O.

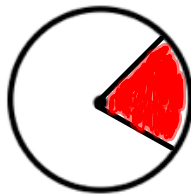


Here are six words that are used with circles.

Arc Diameter Chord Tangent Circumference Radius

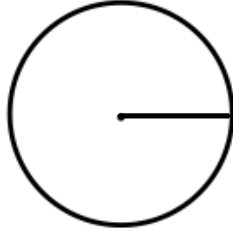
Choose the correct word to describe each line below.

- (a) The straight line AC is a *diameter* of the circle. (1)
- (b) The straight line OD is a *radius* of the circle. (1)
- (c) The straight line BC is a *chord* of the circle. (1)
- (d) Draw a sector of the circle below.



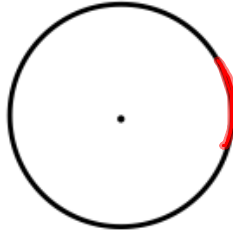
(1)

4. (a) Draw a radius on the circle.



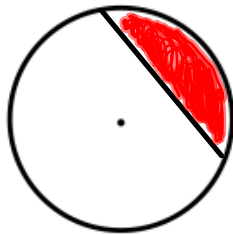
(1)

- (b) Draw an arc on the circle.



(1)

- (c) Draw and shade in a segment of the circle.

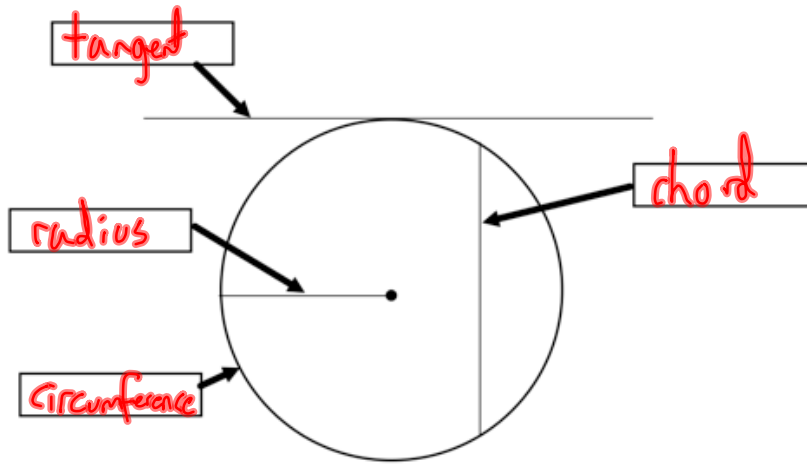


(1)

5. Here is a list of words connected to circles.

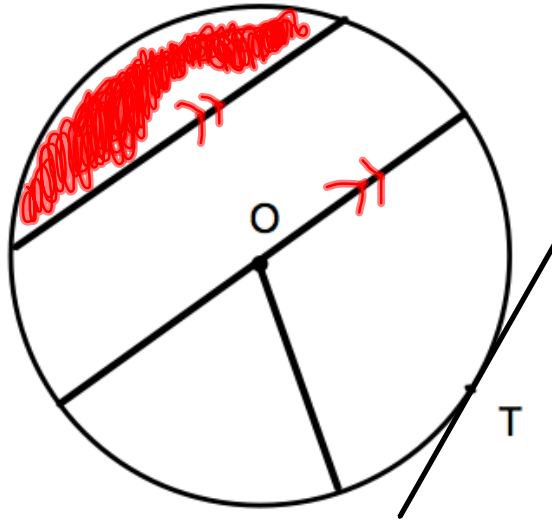
Tangent Radius Diameter Chord Centre Circumference

Label the four boxes in the diagram below, by choosing the correct word from the list.



(4)

6. In the diagram below, O is the centre of the circle.



(a) Mark on the diagram with arrows (>>) a pair of parallel lines.

(1)

(b) Shade on the diagram a segment of the circle.

(1)

(c) Draw a tangent to the circle at T.

(1)