GCSE Exam Questions

Parts of a Circle | Geometry & Measure

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GCSE Exam Questions: Parts of a Circle

1) **(a)** Here is a list of parts of a circle:
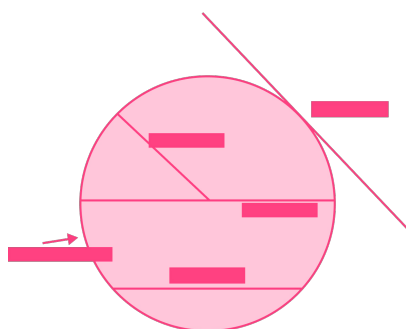
TANGENT   RADIUS   CHORD

DIAMETER   CIRCUMFERENCE
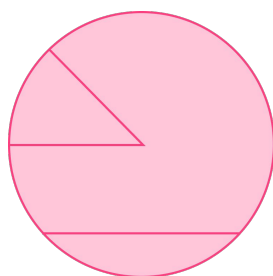
Label the circle correctly using these words.

(5)

(b) Which is the longest: the radius, diameter, or the circumference?

- -

(1)
(6 marks)

2) **(a)** On the diagram below, shade the minor sector of the circle.

(1)

(b) On the same diagram, label the chord.

(1)
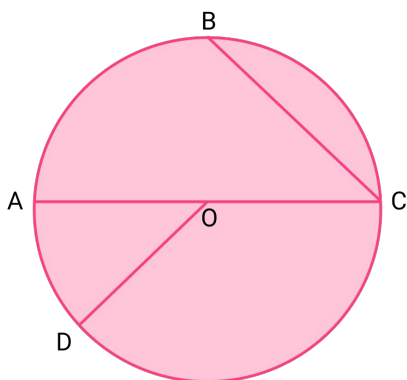
(c) On the same diagram, label the centre O.

(1)
(3 marks)

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1

GCSE Exam Questions: Parts of a Circle

3)   Below is a diagram of a circle where A, B, C, and D are
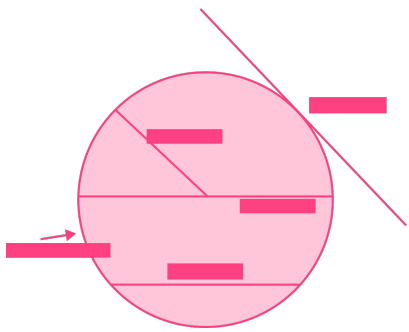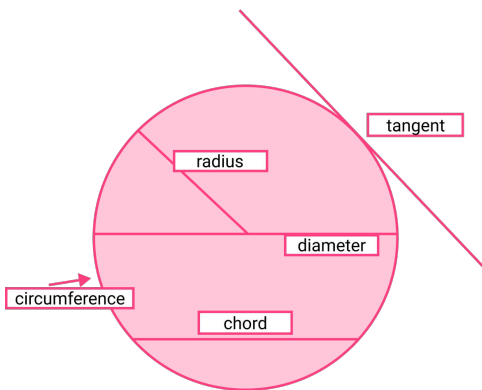points on the circumference, and O is the centre of the circle.

Here are words used to describe parts of a circle:

Arc	Diameter	Chord	Segment
Tangent	Circumference	Radius	Sector
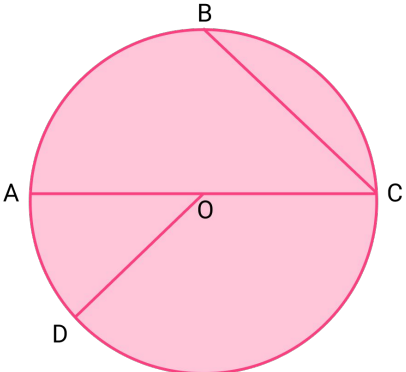
Choose the correct word to make each statement correct:

(a) The straight line *AC* is the _____ of the circle.

_ _

(1)

(b) The straight line *OD* is the _____ of the circle.

_ _

(1)

(c) The straight line *BC* is the _____ of the circle.

_ _

(1)

(d) The area enclosed within *AOD* is a _____ of the circle.

_ _

(1)

(e) The curved line *CD* is the _____ of the circle.

_ _

(1)

(5 marks)

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2

GCSE Exam Questions: Parts of a Circle Answers

	Question	Answer	Marks
1) (a)	Here is a list of parts of a circle: TANGENT RADIUS CHORD DIAMETER CIRCUMFERENCE Label the circle correctly using these words.	**(a)** *(circle diagram labelled: tangent, radius, diameter, circumference, chord)* Tangent labelled correctly Radius labelled correctly Chord labelled correctly Diameter labelled correctly Circumference labelled correctly	**(1)** **(1)** **(1)** **(1)** **(1)**
(b)	Which is the longest: the radius, diameter, or the circumference?	**(b)** Circumference	**(1)**
2) (a)	On the diagram below, shade the minor sector of the circle.	**(a)** *(circle with minor sector shaded)*	**(1)**
(b)	On the same diagram label the chord	**(b)** *(circle with minor sector shaded and chord labelled)*	**(1)**
(c)	On the same diagram label the centre as *O*	**(c)** *(circle with minor sector shaded and chord labelled)*	**(1)**

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3

GCSE Exam Questions: Parts of a Circle Answers

	Question	Answer	Marks
3)	Below is a diagram of a circle where A, B, C, and D are points on the circumference, and O is the centre of the circle. Here are words used to describe parts of a circle: 	Arc	Diameter	Chord	Segment
Tangent	Circumference	Radius	Sector | Choose the correct word to make each statement correct:		**(1)**
(a)	The straight line *AC* is the _____ of the circle.	**(a)** Diameter	**(1)**
(b)	The straight line *OD* is the _____ of the circle.	**(b)** Radius	**(1)**
(c)	The straight line *BC* is the _____ of the circle.	**(c)** Chord	**(1)**
(d)	The area enclosed within *AOD* is a _____ of the circle.	**(d)** (Minor) Sector	**(1)**
(e)	The curved line *CD* is the _____ of the circle.	**(e)** Arc	**(1)**

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4

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