AQA, OCR, Edexcel

GCSE

GCSE Maths

Area of Circles & Sectors

Name:





Guidance

- 1. Read each question carefully.
- Don't spend too long on each question.
- Don't spend too long on
 Attempt every question.
- 4. Always show your workings.

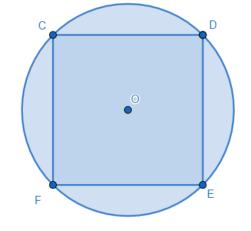
Revise GCSE Maths: www.MathsMadeEasy.co.uk/gcse-maths-revision/ Visit http://www.mathsmadeeasy.co.uk/ for more fantastic resources.

1. Calculate the area between the two circles. Give your answer to 2dp.



Area = \dots cm² (3 marks)

2. The radius of the circle below is 6cm. By first calculating the area of the square, calculate the total area between the square and the circle. Give your answer to 2dp.



.....

Area = \dots (3 marks)

3.	The sector of a circle below has a radius of 5m and the angle at the centre is 30° 5m 30°
	Find the area of the sector. Give your answer to 2dp.
	Find the arc length of the sector. Give your answer to 2dp.
	(2 marks)

4. Calculate the area of the shape below.
4cm 4cm 270°
Give your answer to 2dp.
(2 marks)

5.	The area of the sector below is 26.15m ²
	9m
	ackslash x
	Calculate the value of the angle x . Give your answer to 2dp.
	(2 marks)

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6.	A set of circles have radii in the ratio 1: 2: 3: 5. What is the ratio of their areas?
	Give your answer in its simplest terms.
	:: (2 marks)

T	The largest red circle in the diagram below has a radius of 10m The radius of the white circle is 7m Each small red circle has a diameter of 2m
,	What percentage of the area in the diagram is red?
•	
•	
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	Percentage =% (4 marks)