

Area and Circumference of Circle

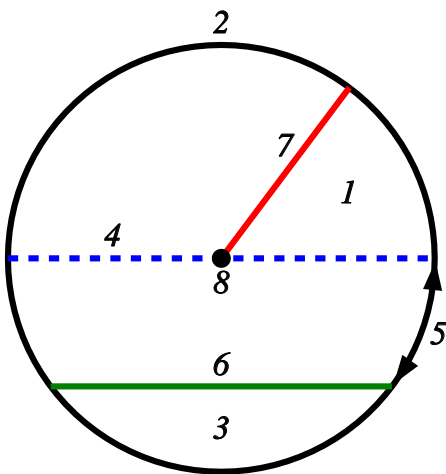
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1) Name the labelled parts of the circle below.

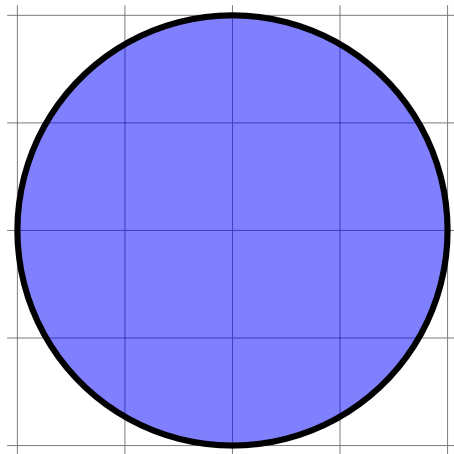
[1]

Choose from the following words: segment, sector, chord, circumference, centre, radius, diameter, arc



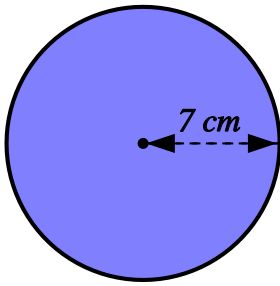
2) Estimate the area of the circle by counting unit squares

[1]



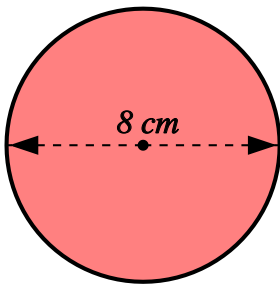
3) Find the area of the circle pictured below, rounding your answer to 3 significant figures

[1]



4) Find the area of the circle pictured below, rounding your answer to 3 significant figures

[1]



5) The circumference of a circle is 80 cm. Find the area of the circle, rounding your answer to 3 significant figures.

[1]

6) The area of a circle is 40 cm^2 . Find the circumference of the circle, rounding your answer to 3 significant figures.

[1]

7) Find the radius of a circle which has an area of 34 cm^2

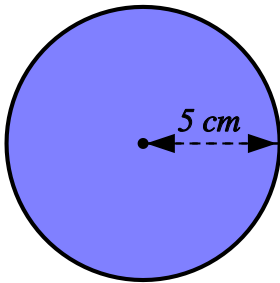
[1]

8) Find the diameter of a circle which has an area of 26 cm^2

[1]

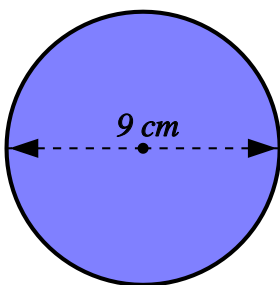
9) Find the circumference of the circle pictured below, rounding your answer to 3 significant figures

[1]



10) Find the circumference of the circle pictured below, rounding your answer to 3 significant figures

[1]



11) Find the radius of a circle, where the circumference is:

[1]

29 cm

12) Find the diameter of a circle, where the circumference is:

[1]

41 cm

Solutions for the assessment Area and Circumference of Circle

1) 1 = sector, 2 = circumference, 3 = segment, 4 = diameter
5 = arc, 6 = chord, 7 = radius, 8 = centre

2) Area = 13 cm^2

3) Area = 154 cm^2

4) Area = 50.3 cm^2

5) Area = 509 cm^2

6) Circumference = 22.4 cm

7) Radius = 3.29 cm

8) Diameter = 5.75 cm

9) Circumference = 31.4 cm

10) Circumference = 28.3 cm

11) Radius = 4.62 cm

12) Diameter = 13.1 cm