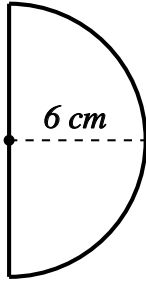


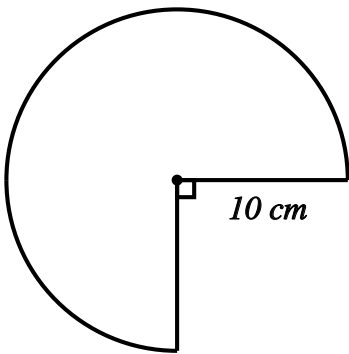
# Circles, Perimeters and Sectors

Name:	Class:	Date:
Mark		/ 14 %

1) Find the area of the semicircle, rounding your answer to 3 significant figures [1]

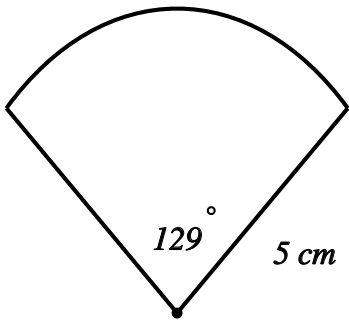


2) Find the area of the three-quarter circle, rounding your answer to 3 significant figures [1]



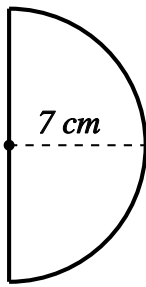
3) Find the area of the sector, rounding your answer to 3 significant figures

[1]



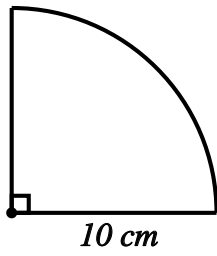
4) Find the arc length of the semicircle, rounding your answer to 3 significant figures

[1]



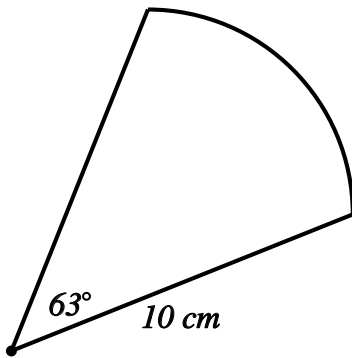
5) Find the arc length of the shape below, rounding your answer to 3 significant figures

[1]



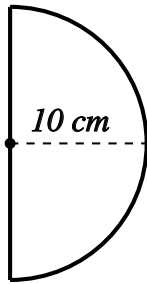
6) Find the arc length of the sector shown below, rounding your answer to 3 significant figures

[1]



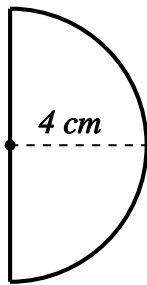
7) Find the perimeter of the semicircle, rounding your answer to 3 significant figures

[1]



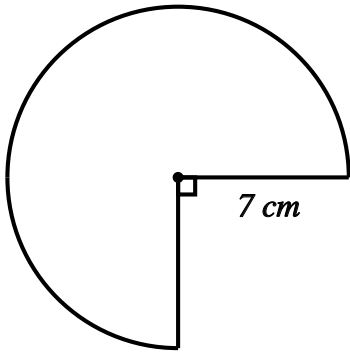
8) Find the perimeter of the semicircle, rounding your answer to 3 significant figures

[1]



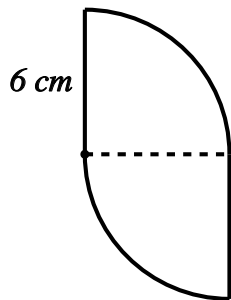
9) Find the perimeter of the three-quarter circle, rounding your answer to 3 significant figures

[1]



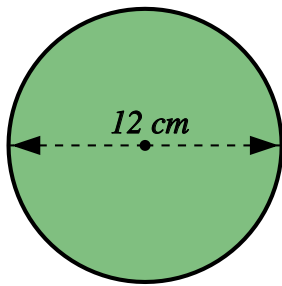
10) Find the perimeter of the shape below, rounding your answer to 3 significant figures

[1]



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

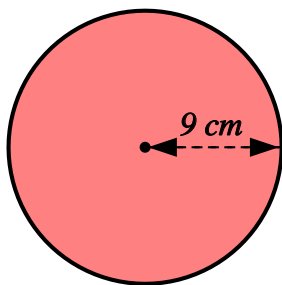
[1]



12) Find the radius of a circle which has an area of  $39 \text{ cm}^2$

[1]

13) Find the circumference of the circle pictured below, rounding your answer to 3 significant figures [1]



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

[1]

44 cm

## Solutions for the assessment Circles, Perimeters and Sectors

1) Area =  $56.5 \text{ cm}^2$

2) Area =  $236 \text{ cm}^2$

3) Area =  $28.1 \text{ cm}^2$

4) Arc length =  $22.0 \text{ cm}$

5) Arc length =  $15.7 \text{ cm}$

6) Arc length =  $11.0 \text{ cm}$

7) Perimeter =  $51.4 \text{ cm}$

8) Perimeter =  $20.6 \text{ cm}$

9) Perimeter =  $47.0 \text{ cm}$

10) Perimeter =  $30.8 \text{ cm}$

11) Area =  $113 \text{ cm}^2$

12) Radius =  $3.52 \text{ cm}$

13) Circumference =  $56.5 \text{ cm}$

14) Radius =  $7.00 \text{ cm}$