

CIRCLES

Name: _____

Assessment Criteria: Know and use the formulae for the circumference and area of a circle

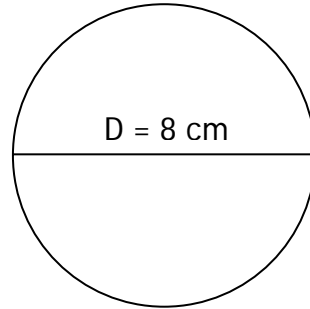
1. Calculate the circumference and area of this circle.

Circumference:

_____ cm

Area:

_____ cm²



2. Jess is finding the area of a circle of radius 5 cm. She types the following into her calculator:



Will this give the correct answer? Explain your answer.

3. What is the circumference of a circle with radius 4.5 centimetres?

_____ cm

4. What is the area of a circle with radius 6 centimetres?

_____ cm²

5. What is the diameter of a circle with circumference 208 centimetres?

_____ cm

6. What is the radius of a circle with area 345 square centimetres?

_____ cm

Overall, I think my success level is:

Low High
○ ○ ○ ○

Q	CIRCLES	☺	☹
	I can find the circumference of a circle given the diameter		
	I can find the circumference of a circle given the radius		
	I can find the area of a circle given the diameter		
	I can find the area of a circle given the radius		
	I can use the formula for the circumference of a circle to find the radius or diameter		
	I can use the formula for the area of a circle to find the radius or diameter		
	<i>I can present a concise, reasoned argument, using symbols, diagrams, graphs and related explanatory texts</i>		
I need to practise ...			