

The skills in this series of exercises appear frequently.

These are the GIFTS you must take to succeed.



Geometry and Measure Unit

Exercise 3

Area and Circumference of Circles (Calculator)

Copy and complete each:

1.

Circle			
Radius	4cm	Diameter	
Area		Circumference	

2.

Circle			
Radius		Diameter	12cm
Area		Circumference	

3.

Circle			
Radius	8.5cm	Diameter	
Area		Circumference	

4.

Circle			
Radius		Diameter	17cm
Area		Circumference	

5.

Circle			
Radius		Diameter	
Area		Circumference	28.26cm

6.

Circle			
Radius		Diameter	
Area	314cm ²	Circumference	

7.

Semi-circle			
Radius	3.2cm	Diameter	
Area		Perimeter	

8.

Semi-circle			
Radius		Diameter	10.8cm
Area		Perimeter	

9.

Quarter Circle			
Radius	3.7cm	Diameter	
Area		Perimeter	

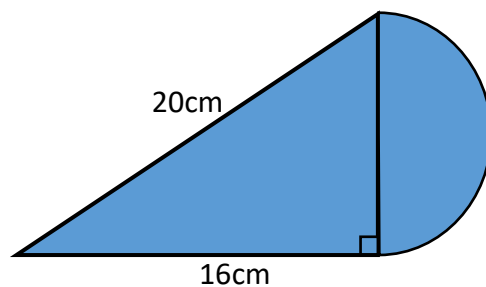
10.

Quarter Circle			
Radius		Diameter	16.2cm
Area		Perimeter	

Applying Question



A design is made of a right-angled triangle and a semi-circle as shown in the diagram.



- (a) Calculate the area of the design.
- (b) Calculate the perimeter of the design.