Area & Perimeter of 2-D Shapes (Grade 9)

WORKSHEET

Name: ..... Class: .....

Date: .....

MARK ____ / 25

Answer all questions. Show all your working — marks are awarded for method as well as the final answer.

1 A square has an area of 225 cm^2. Determine the length of one side, and hence its perimeter. (3)

2 Area of a rectangle 9 cm by 6 cm. (1)

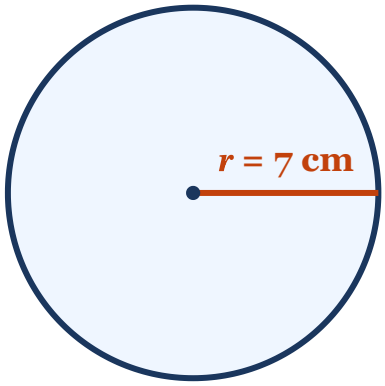
3 Perimeter of a rectangle 9 cm by 6 cm. (2)

4 Area of a triangle, base 12 cm, height 7 cm. (2)

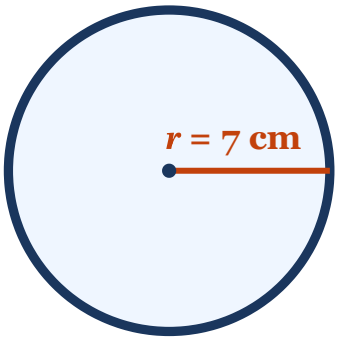
5 Area of a parallelogram, base 9 cm, height 5 cm. (2)

6 Area of a trapezium, parallel sides 8 cm and 12 cm, height 5 cm. **(3)**

7 Area of a circle with radius 7 cm ($\pi \approx 3{,}14$). **(2)**

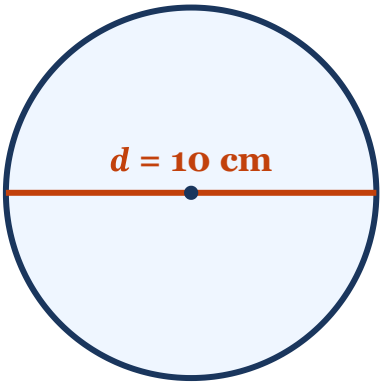


8 Circumference of a circle with radius 7 cm ($\pi \approx 3{,}14$). **(2)**



the distance all the way around

9 Area of a circle with diameter 10 cm ($\pi \approx 3{,}14$). **(3)**



10 A 10×8 rectangle has a 3×2 piece cut out. Find the remaining area. **(3)**

11 A shape is enlarged by scale factor 3. What happens to its area? **(2)**

TOTAL: 25 marks

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