Area and Perimeter: Every Shape (Complete Guide)

WORKSHEET

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

Date: .....

MARK ____ / 23

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 196 cm^2. Determine the length of one side, and hence its perimeter. (3)

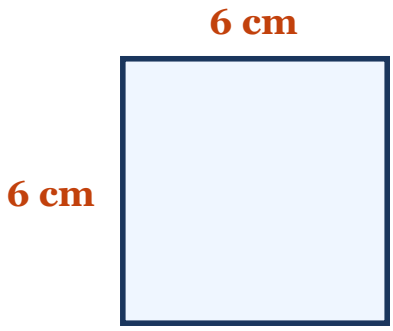
2 Perimeter of a rectangle 8 cm by 5 cm *(rectangle)* (1)



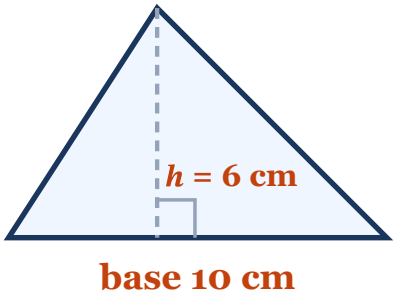
3 Area of a rectangle 8 cm by 5 cm *(rectangle)* (1)



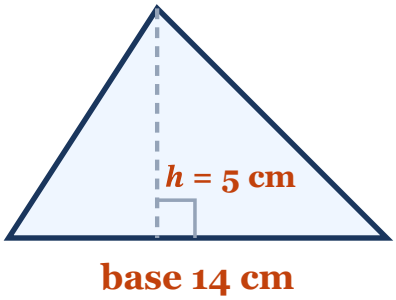
4 Perimeter and area of a square with side 6 cm *(square)* (2)



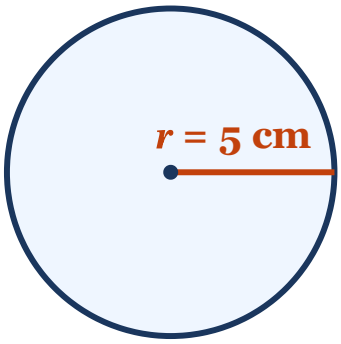
5 Area of a triangle, base 10 cm, height 6 cm *(triangle)* (2)



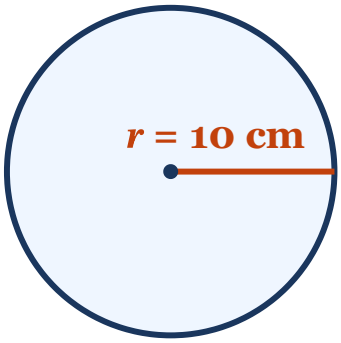
6 Area of a triangle, base 14 cm, height 5 cm *(triangle)* (2)



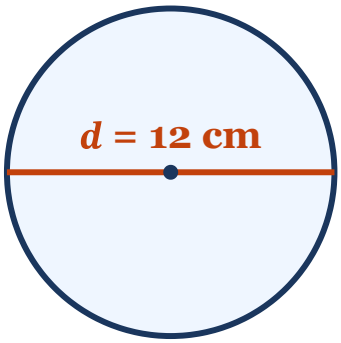
7 Circumference of a circle, radius 5 cm ($\pi \approx 3{,}14$) *(circle)* (2)



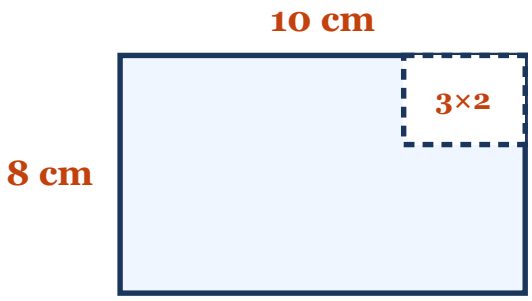
8 Area of a circle, radius 10 cm ($\pi \approx 3{,}14$) *(circle)* (2)



9 Area of a circle with DIAMETER 12 cm ($\pi \approx 3{,}14$) *(circle)* **(3)**



10 A 10×8 rectangle with a 3×2 rectangle cut out — area? *(composite)* **(3)**



cut-out removed

11 A rectangle has area 60 cm^2 and breadth 5 cm. Find its length. *(reverse)* **(2)**

TOTAL: 23 marks

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