

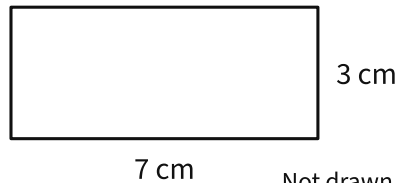
Perimeter and Area

ANSWERS

Calculator | 30 minutes | Total marks: 20

Name Class

1 Here is a rectangle.



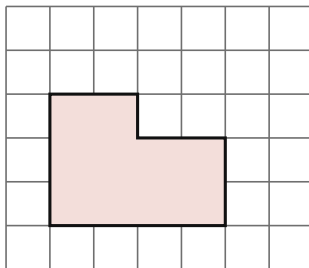
(a) Work out the perimeter.

Answer 20 (1) cm [1 mark]

(b) Work out the area.

Answer 21 (1) cm² [1 mark]

2 The shape is drawn on a centimetre grid.



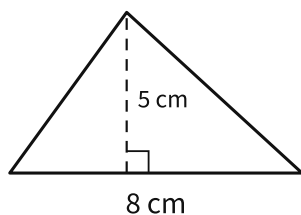
(a) Work out the area of the shape.

Answer 10 (1) cm² [1 mark]

(b) Work out the perimeter of the shape.

Answer 14 (1) cm [1 mark]

3



Work out the area of the triangle.

$$\frac{1}{2} \times 8 \times 5 \text{ (1)}$$

Answer 20 (1) cm² [2 marks]

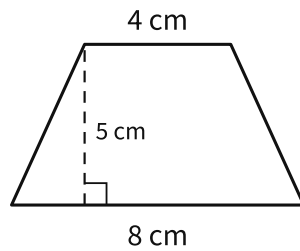
4

A parallelogram has a base of 10 cm and a perpendicular height of 4 cm.
Work out its area.

Answer 40 (1) cm² [1 mark]

5

Area of a trapezium = $\frac{1}{2} \times (a + b) \times h$



Not drawn accurately

Work out the area of the trapezium.

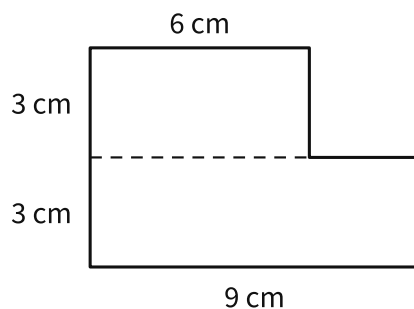
$$\frac{1}{2} \times (4 + 8) \times 5 \quad (1)$$

Answer 30 (1) cm² [2 marks]

6

All the corners of this shape are right angles.

The dashed line splits the shape into two rectangles.



Not drawn accurately

Work out the area of the shape.

$$9 \times 3 = 27 \quad (1)$$

$$6 \times 3 = 18 \quad (1)$$

Answer 45 (1) cm² [3 marks]

7

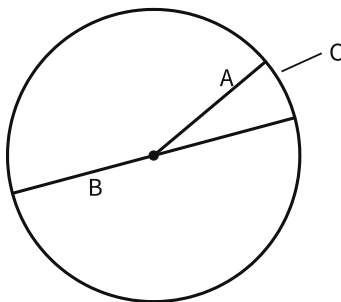
The diagram shows a circle.

Write one word from the box next to each letter.

circumference

diameter

radius



A radius (1)

B diameter (1)

C circumference (1)

[3 marks]

8

A circle has a radius of 5 cm.

(a) Circumference = $\pi \times \text{diameter}$

Work out the circumference of the circle.

Give your answer to 1 decimal place.

$$\pi \times 10 \text{ (1)}$$

Answer 31.4 (1) cm [2 marks]

(b) Area = $\pi \times \text{radius}^2$

Work out the area of the circle.

Give your answer to 1 decimal place.

$$\pi \times 5^2 \text{ (1)}$$

Answer 78.5 (1) cm² [2 marks]

9

A regular hexagon has sides of length 4 cm.

Work out its perimeter.

Answer 24 (1) cm [1 mark]

Question	Topic	RAG
1	I can find the perimeter and area of a rectangle	
2	I can find area and perimeter by counting squares	
3	I can find the area of a triangle	
4	I can find the area of a parallelogram	
5	I can find the area of a trapezium	
6	I can find the area of a compound shape	
7	I can label the parts of a circle	
8	I can find the circumference and area of a circle	
9	I can find the perimeter of a regular polygon	