

Perimeter and Area

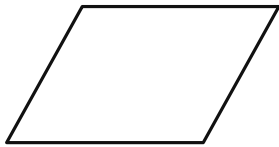
ANSWERS

Calculator | 30 minutes | Total marks: 24

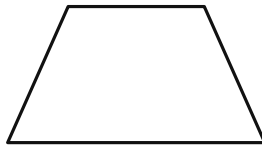
Name

Class

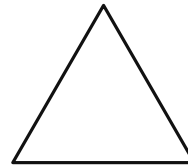
1 Here are three shapes.



A



B



C

Write one name from the box next to each letter.

equilateral triangle

kite

parallelogram

trapezium

A

parallelogram (1)

B

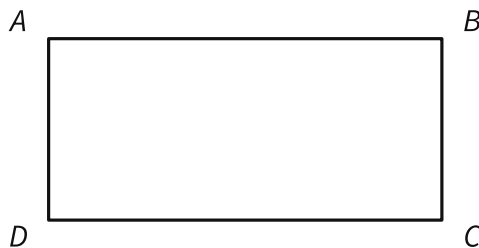
trapezium (1)

C

equilateral triangle (1)

[3 marks]

2 ABCD is a rectangle.



(a) Write down a side that is parallel to AB.

Answer DC (1) [1 mark]

(b) Write down a side that is perpendicular to AB.

Answer AD or BC (1) [1 mark]

3

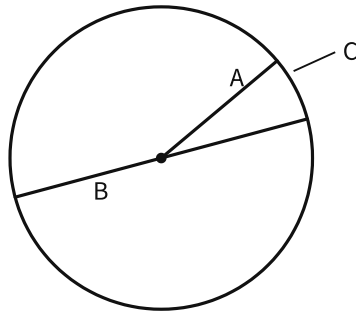
The diagram shows a circle.

Write one word from the box next to each letter.

circumference

diameter

radius



A radius (1)

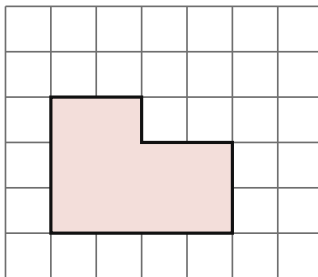
B diameter (1)

C circumference (1)

[3 marks]

4

The shape is drawn on a centimetre grid.



(a) Work out the perimeter of the shape.

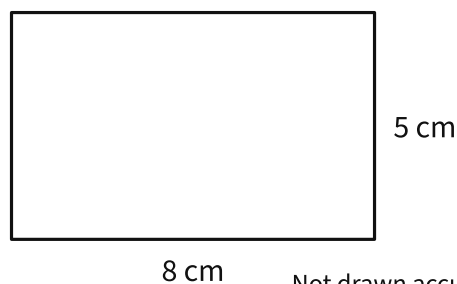
Answer 14 (1) cm [1 mark]

(b) Work out the area of the shape.

Answer 10 (1) cm² [1 mark]

5

Here is a rectangle.



8 cm Not drawn accurately

(a) Work out the perimeter.

8 + 5 + 8 + 5 (1)

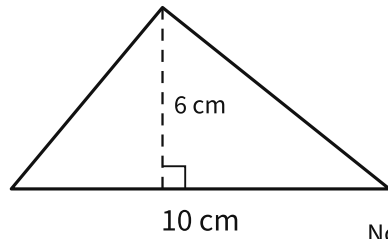
Answer 26 (1) cm [2 marks]

(b) Work out the area.

8 × 5 (1)

Answer 40 (1) cm² [2 marks]

6



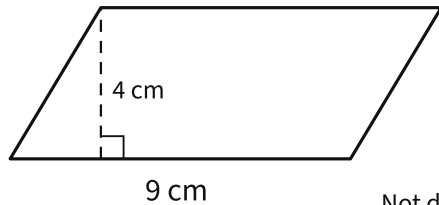
Not drawn accurately

Work out the area of the triangle.

$$\frac{1}{2} \times 10 \times 6 \text{ (1)}$$

Answer 30 (1) cm² [2 marks]

7



Not drawn accurately

Work out the area of the parallelogram.

$$9 \times 4 \text{ (1)}$$

Answer 36 (1) cm² [2 marks]

8

A circle has a radius of 5 cm.

(a) 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) 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) What does the word regular mean for a polygon?

All its sides are equal and all its angles are equal (1)

[1 mark]

(b) A regular pentagon has sides of length 6 cm.

Work out its perimeter.

Answer 30 (1) cm [1 mark]

Question	Topic	RAG
1	I know the names of 2D shapes	
2	I can identify parallel and perpendicular lines	
3	I can label the parts of a circle	
4	I can find perimeter and area by counting squares	
5	I can find the perimeter and area of a rectangle	
6	I can find the area of a triangle	
7	I can find the area of a parallelogram	
8	I can find the circumference and area of a circle	
9	I know what regular means	