JRA Tutors
Private tuition and small online Study Pods

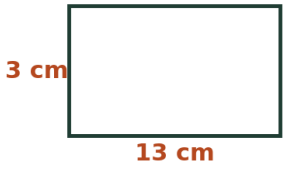
Area and Perimeter

Grade 2 topic · Foundation and Higher · Edexcel and AQA

How to use this pack
20 questions that get harder as you go. Foundation students: aim for Questions 1–15 (32 marks) and have a go at the rest. Higher students: complete all 20. Show your working on the lines and write your final answer on the answer line, then mark yourself with the answers at the back. Diagrams are not drawn accurately. Total: 52 marks.

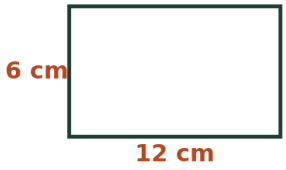
Warm-up

1 Work out the area of the rectangle. **[1 mark]**



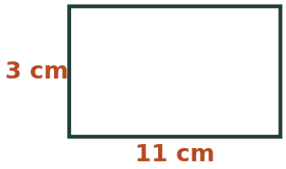
Answer _____

2 Work out the perimeter of the rectangle. **[2 marks]**



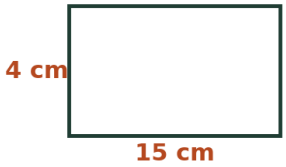
Answer _____

3 Work out the area of the rectangle. **[1 mark]**



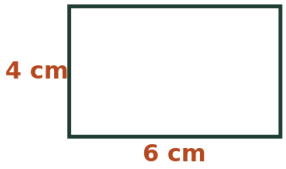
Answer _____

4 Work out the perimeter of the rectangle. **[2 marks]**



Answer _____

5 Work out the area of the rectangle. **[1 mark]**



Answer _____

Core

6 A square has side 5 cm. Work out its area. **[2 marks]**

Answer _____

7 A square has area 144 cm². Work out its perimeter. **[2 marks]**

Answer _____

8 A triangle has base 14 cm and perpendicular height 8 cm. Work out its area. **[2 marks]**

Answer _____

9 A parallelogram has base 11 cm and perpendicular height 6 cm. Work out its area. **[2 marks]**

Answer _____

10 A rectangle has area 35 cm² and length 7 cm. Work out its width. **[2 marks]**

Answer _____

Stretch

11 A trapezium has parallel sides 6 cm and 15 cm and height 4 cm. Work out its area. **[3 marks]**

Answer _____

12 A square has perimeter 32 cm. Work out its area. **[3 marks]**

Answer _____

13 A rectangle has length 10 cm and perimeter 30 cm. Work out its area. **[3 marks]**

Answer _____

14 A triangle has area 36 cm² and base 18 cm. Work out its perpendicular height. **[3 marks]**

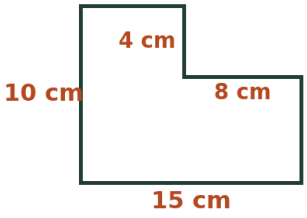
Answer _____

15 A rectangle has width x cm and length 2x cm. Its perimeter is 48 cm. Work out its area. **[3 marks]**

Answer _____

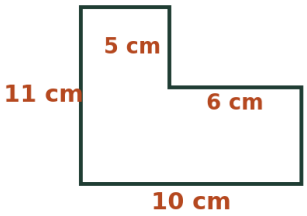
Challenge

16 The diagram shows an L-shape. Work out (a) its area and (b) its perimeter. **[4 marks]**



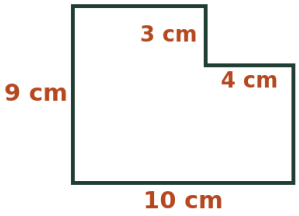
Answer _____

17 The diagram shows an L-shape. Work out (a) its area and (b) its perimeter. **[4 marks]**



Answer _____

18 The diagram shows an L-shape. Work out (a) its area and (b) its perimeter. **[4 marks]**



Answer _____

19 A square of side 11 cm and a rectangle of length 14 cm have the same perimeter. Work out the width of the rectangle. **[4 marks]**

Answer _____

20 A square of side 12 cm and a rectangle of length 16 cm have the same perimeter. Work out the area of the rectangle. **[4 marks]**

Answer _____