

Grade 5 Week 5 Math Worksheet 1: Cambridge – Compound Shapes Perimeter & Area (5Gg.03)

Section A: Knowledge and Comprehension (Questions 1–5)

1. Define what a compound shape is in your own words. (1 mark)
Answer: _____
2. State the formula used to calculate the area of a rectangle. (1 mark)
Answer: Area= _____
3. True or False: When calculating the perimeter of a compound shape, you should include the internal lines where you split the shape. (1 mark)
Answer: _____
4. A rectangle has a length of 8 cm and a width of 3 cm. Calculate its area. (1 mark)
Answer: _____ cm²
5. An L-shaped compound shape is made of two rectangles: Rectangle A with an area of 12 cm² and Rectangle B with an area of 15 cm². State the total area of the compound shape. (1 mark)
Answer: _____ cm²

Section B: Application, Analysis, and Synthesis (Questions 6–10)

6. An L-shaped garden is formed by two joined rectangles. Rectangle 1 is 6 m long by 2 m wide. Rectangle 2 is 3 m long by 2 m wide. Calculate the total area of the garden. (2 marks)
Answer: _____ m²
7. Find the perimeter of the L-shaped garden from Question 6, given that the outer boundary has sides measuring 6 m, 2 m, 3 m, 4 m, 9 m, and 6 m total length around. Calculate the total perimeter. (2 marks)
Answer: _____ cm (or m)
8. A compound shape is made by attaching a square of side 4 cm to the side of a rectangle measuring 7 cm by 4 cm. Calculate the total area of the combined shape. (2 marks)
Answer: _____ cm²
9. A rectangular floor measuring 10 m by 5 m has a smaller rectangular corner section measuring 3 m by 2 m cut out of it. Calculate the area of the remaining floor. (2 marks)
Answer: _____ m²
10. A compound shape has an unknown missing side length. The total horizontal length at the top is 12 cm, and a lower stepped section measures 5 cm. Calculate the length of the other lower horizontal section. (2 marks)
Answer: _____ cm