

Stage 5 Cambridge Primary Mathematics Homework

Tuesday 15 September 2025

Learning Objective Covered:

- **5Gg.02:** Estimate and measure perimeter and area of 2D shapes, understanding that shapes with the same perimeter can have different areas and vice versa.

Instructions: Answer the questions below. Write your final answers clearly in the spaces provided.

Questions

1. The distance all the way around the outside edge of a 2D shape is called its _____.
(1 mark)
2. The amount of surface or space covered inside a 2D shape is called its _____.
(1 mark)
3. True or False: Two rectangles with the same perimeter must always have the exact same area. _____.
(1 mark)
4. A rectangle has a length of 8 cm and a width of 4 cm.
 - a) Calculate its perimeter: _____ cm (1 mark)
 - b) Calculate its area: _____ cm^2 (1 mark)
5. Rectangle A measures 10 cm by 2 cm (Perimeter = 24 cm). Its area is _____ cm^2 .
(1 mark)
6. Rectangle B has the same perimeter of 24 cm, but measures 7 cm by 5 cm. Its area is _____ cm^2 .
(1 mark)
7. Rectangle C and Rectangle D both have an area of 12 cm^2 . Rectangle C measures 12 cm $\times$ 1 cm and has a perimeter of 26 cm. If Rectangle D measures 6 cm $\times$ 2 cm, what is its perimeter? _____ cm
(1 mark)
8. A learner confuses perimeter and area. Complete the statement to show the correct units used for each:
Perimeter is measured in linear units like cm, whereas area is always measured in _____ units like cm^2 .
(2 marks)