



Area and Perimeter (Advanced)

Name: _____

Date: _____

Grade: Grade 4

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: A square has a side of 6 units, so its area is 6 plus 6, which equals 12 square units.

Rewrite: _____

2. Fix the sentence: The area of a square with side 9 inches are 81 square inches because 9 times 9.

Rewrite: _____

3. Fix the sentence: Each side of the tile measure 5 cm, so the total area is 25 square centimeters.

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A square with a side of 6 units has an area of _____ square units.
2. The shortcut for the area of a square is side times _____.
3. A square tile has a side of 8 cm, so its area is _____ square centimeters.
4. Area is always measured in _____ units, not in regular length units.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain why the area of a square with side 7 units is 49 square units.

2. How is finding the area of a square different from finding the perimeter of a square?

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: A square has a side of 6 units, so its area is 6 plus 6, which equals 12 square units.

Rewrite: **A square has a side of 6 units, so its area is 6 times 6, which equals 36 square units.**

2. Fix the sentence: The area of a square with side 9 inches are 81 square inches because 9 times 9.

Rewrite: **The area of a square with side 9 inches is 81 square inches because 9 times 9 equals 81.**

3. Fix the sentence: Each side of the tile measure 5 cm, so the total area is 25 square centimeters.

Rewrite: **Each side of the tile measures 5 cm, so the total area is 25 square centimeters.**

Part B: Fill in the Blank

Write the missing word or number on each line.

1. A square with a side of 6 units has an area of **36** square units.
2. The shortcut for the area of a square is side times **side**.
3. A square tile has a side of 8 cm, so its area is **64** square centimeters.
4. Area is always measured in **square** units, not in regular length units.

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain why the area of a square with side 7 units is 49 square units.

A square has four equal sides, so I use side times side. Multiplying 7 by 7 gives 49, so the area is 49 square units. This shortcut works only because every side of a square is the same length.

2. How is finding the area of a square different from finding the perimeter of a square?

For area, I multiply side by side to cover the surface in square units. For perimeter, I add all four sides or multiply one side by 4 to find the distance around. Area uses multiplication for square units, while perimeter uses addition for length units.
