



# Perimeter, Area, and Surface Area

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 5

## Part A: Fix the Sentence

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

1. Fix the sentence: Area of a 12 cm by 5 cm rectangle is 34 cm.

Rewrite: \_\_\_\_\_

2. Fix the sentence: A 10 m by 10 m square has perimeter 100 m.

Rewrite: \_\_\_\_\_

3. Fix the sentence: A rectangle 7 ft by 2 ft has area 14 ft.

Rewrite: \_\_\_\_\_

## Part B: Fill in the Blank

Write the missing word or number on each line.

1. A 15 cm by 6 cm rectangle has area \_\_\_\_\_ sq cm.

2. A 12 m by 8 m rectangle has perimeter \_\_\_\_\_ m.

3. A square with side 9 ft has area \_\_\_\_\_ sq ft.

4. A rectangle 11 in by 4 in has perimeter \_\_\_\_\_ in.

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why must area be measured in square units like sq ft?

\_\_\_\_\_  
\_\_\_\_\_

2. A rug is 9 ft by 6 ft. How much trim and how much carpet do you need?

\_\_\_\_\_  
\_\_\_\_\_

### Part A: Fix the Sentence

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

1. Fix the sentence: Area of a 12 cm by 5 cm rectangle is 34 cm.

Rewrite: Area of a 12 cm by 5 cm rectangle is 60 sq cm.

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2. Fix the sentence: A 10 m by 10 m square has perimeter 100 m.

Rewrite: A 10 m by 10 m square has perimeter 40 m.

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3. Fix the sentence: A rectangle 7 ft by 2 ft has area 14 ft.

Rewrite: A rectangle 7 ft by 2 ft has area 14 sq ft.

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### Part B: Fill in the Blank

Write the missing word or number on each line.

1. A 15 cm by 6 cm rectangle has area 90 sq cm.
2. A 12 m by 8 m rectangle has perimeter 40 m.
3. A square with side 9 ft has area 81 sq ft.
4. A rectangle 11 in by 4 in has perimeter 30 in.

### Part C: Short Answer

Answer each question in one or two complete sentences.

1. Why must area be measured in square units like sq ft?

*Area covers a two-dimensional surface, so we count square units that fit inside. Multiplying two lengths in feet produces square feet, which describes how much surface is covered.*

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2. A rug is 9 ft by 6 ft. How much trim and how much carpet do you need?

*Trim equals perimeter:  $2(9+6) = 30$  ft. Carpet equals area:  $9 \times 6 = 54$  sq ft. So you buy 30 feet of trim and 54 square feet of carpet.*

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