



# 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 regular pentagon with each side measuring 4 cm have a perimeter of 20 cm.

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

2. Fix the sentence: To find perimeter of an irregular shape, you adds every side length together.

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

3. Fix the sentence: The hexagons sides was each 5 inches long, giving a perimeter of 30 inches.

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

## Part B: Fill in the Blank

Write the missing word or number on each line.

1. A regular pentagon has 5 equal sides of 4 cm, so its perimeter is \_\_\_\_\_ cm.
2. A regular hexagon has \_\_\_\_\_ equal sides that we add to find perimeter.
3. An irregular shape with sides 3, 4, 5, and 6 cm has a perimeter of \_\_\_\_\_ cm.
4. Perimeter is measured in \_\_\_\_\_ units like inches, feet, or centimeters.

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. Describe how to find the perimeter of an irregular shape with five different side lengths.

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

2. How can you use multiplication to find the perimeter of a regular hexagon?

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

### Part A: Fix the Sentence

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

1. Fix the sentence: A regular pentagon with each side measuring 4 cm have a perimeter of 20 cm.

Rewrite: **A regular pentagon with each side measuring 4 cm has a perimeter of 20 cm.**

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2. Fix the sentence: To find perimeter of an irregular shape, you adds every side length together.

Rewrite: **To find the perimeter of an irregular shape, you add every side length together.**

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3. Fix the sentence: The hexagons sides was each 5 inches long, giving a perimeter of 30 inches.

Rewrite: **The hexagon's sides were each 5 inches long, giving a perimeter of 30 inches.**

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### Part B: Fill in the Blank

Write the missing word or number on each line.

1. A regular pentagon has 5 equal sides of 4 cm, so its perimeter is 20 cm.
2. A regular hexagon has 6 equal sides that we add to find perimeter.
3. An irregular shape with sides 3, 4, 5, and 6 cm has a perimeter of 18 cm.
4. Perimeter is measured in length units like inches, feet, or centimeters.

### Part C: Short Answer

Answer each question in one or two complete sentences.

1. Describe how to find the perimeter of an irregular shape with five different side lengths.

*I list every side length first so I do not miss any. Then I add all five numbers together using column addition. The total sum is the perimeter, and I label it with the correct length unit, such as cm or inches, in my Grade 4 answer.*

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2. How can you use multiplication to find the perimeter of a regular hexagon?

*A regular hexagon has six equal sides. Instead of adding the same number six times, I multiply one side by 6. For example, if a side is 7 cm, I find  $7 \times 6$ , which equals 42 cm. Multiplication is faster than repeated addition.*

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