



# Perimeter, Area, and Surface Area

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

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

Grade: Grade 5

## Part A: Fill in the Blank

Write the missing word or number on each line.

1. A triangle with base 8 cm and height 5 cm has area \_\_\_\_\_ sq cm.
2. An L-shape made of a 6x4 and a 3x2 rectangle has area \_\_\_\_\_ sq ft.
3. A triangle with base 10 m and height 7 m has area \_\_\_\_\_ sq m.
4. A T-shape with a 8x3 top and 4x5 stem has total area \_\_\_\_\_ sq in.
5. Half of base 12 ft times height 6 ft for a triangle gives \_\_\_\_\_ sq ft.
6. Two rectangles, 5x4 and 5x3, joined as an L have area \_\_\_\_\_ sq cm.
7. Triangle with base 9 in and height 4 in has area \_\_\_\_\_ sq in.
8. An L-shape decomposes into a 7x6 and a 2x3 rectangle; total area is \_\_\_\_\_ sq m.
9. A right triangle has legs 6 cm and 8 cm; its area is \_\_\_\_\_ sq cm.

## Part B: Matching

Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Rectangle area	→ _____	Decompose into rectangles, then add
Triangle area	→ _____	$A = \frac{1}{2} \times \text{base} \times \text{height}$
Square perimeter	→ _____	$A = \text{length} \times \text{width}$
L-shape area	→ _____	$P = 4 \times \text{side}$

**Part A: Fill in the Blank**

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Write the missing word or number on each line.

1. A triangle with base 8 cm and height 5 cm has area 20 sq cm.
2. An L-shape made of a 6x4 and a 3x2 rectangle has area 30 sq ft.
3. A triangle with base 10 m and height 7 m has area 35 sq m.
4. A T-shape with a 8x3 top and 4x5 stem has total area 44 sq in.
5. Half of base 12 ft times height 6 ft for a triangle gives 36 sq ft.
6. Two rectangles, 5x4 and 5x3, joined as an L have area 35 sq cm.
7. Triangle with base 9 in and height 4 in has area 18 sq in.
8. An L-shape decomposes into a 7x6 and a 2x3 rectangle; total area is 48 sq m.
9. A right triangle has legs 6 cm and 8 cm; its area is 24 sq cm.

**Part B: Matching**

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Match each item on the left to the correct answer on the right.

1. Match each item to its correct answer.

Rectangle area	→	Decompose into rectangles, then add	Decompose into rectangles, then add
Triangle area	→	$A = \frac{1}{2} \times \text{base} \times \text{height}$	$A = \frac{1}{2} \times \text{base} \times \text{height}$
Square perimeter	→	$A = \text{length} \times \text{width}$	$A = \text{length} \times \text{width}$
L-shape area	→	$P = 4 \times \text{side}$	$P = 4 \times \text{side}$