



Area and Perimeter (Advanced)

Name: _____

Date: _____

Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. An L-shape splits into a 6 by 4 rectangle and a 3 by 2 rectangle. What is its total area?

- A) 30 square units
- B) 24 square units
- C) 18 square units
- D) 32 square units

2. A T-shape decomposes into a 8 by 2 top bar and a 2 by 5 stem. What is its area?

- A) 26 square units
- B) 21 square units
- C) 16 square units
- D) 40 square units

3. A plus shape is made of a 3 by 9 horizontal bar and a 9 by 3 vertical bar that overlap on a 3 by 3 center. What is its area?

- A) 45 square units
- B) 54 square units
- C) 27 square units
- D) 63 square units

4. A compound shape decomposes into rectangles of 5 by 4, 3 by 2, and 6 by 1. What is the total area?

- A) 32 square units
- B) 29 square units
- C) 26 square units
- D) 20 square units

Part B: Fill in the Blank

Write the correct answer on each line.

1. To find the area of an L-shape, you _____ it into rectangles.
2. An L-shape with parts 6 by 4 and 3 by 2 has total area _____ square units.
3. When two bars of a plus shape overlap, you must subtract the _____ once.
4. A T-shape with a 8 by 2 top and 2 by 5 stem has area _____ square units.
5. Compound shape areas are always reported in _____ units.

Part A: Multiple Choice

Circle the best answer for each question.

1. An L-shape splits into a 6 by 4 rectangle and a 3 by 2 rectangle. What is its total area?

- A) 30 square units
- B) 24 square units
- C) 18 square units
- D) 32 square units

2. A T-shape decomposes into a 8 by 2 top bar and a 2 by 5 stem. What is its area?

- A) 26 square units
- B) 21 square units
- C) 16 square units
- D) 40 square units

3. A plus shape is made of a 3 by 9 horizontal bar and a 9 by 3 vertical bar that overlap on a 3 by 3 center. What is its area?

- A) 45 square units
- B) 54 square units
- C) 27 square units
- D) 63 square units

4. A compound shape decomposes into rectangles of 5 by 4, 3 by 2, and 6 by 1. What is the total area?

- A) 32 square units
- B) 29 square units
- C) 26 square units
- D) 20 square units

Part B: Fill in the Blank

Write the correct answer on each line.

1. To find the area of an L-shape, you decompose it into rectangles.
2. An L-shape with parts 6 by 4 and 3 by 2 has total area 30 square units.
3. When two bars of a plus shape overlap, you must subtract the overlap once.
4. A T-shape with a 8 by 2 top and 2 by 5 stem has area 26 square units.
5. Compound shape areas are always reported in square units.