



Area and Perimeter (Advanced)

Name: _____

Date: _____

Grade: Grade 4

Part A: Multiple Choice

Circle the best answer for each question.

1. A rectangle has perimeter 30 ft and length 9 ft. What is the width?

- A) 3 ft
- B) 5 ft
- C) 6 ft
- D) 12 ft

2. A T-shape has a 6 m by 3 m rectangle and a 4 m by 2 m rectangle. Total area?

- A) 18 sq m
- B) 22 sq m
- C) 26 sq m
- D) 30 sq m

3. A rectangle has area 100 sq cm and width 10 cm. What is the perimeter?

- A) 20 cm
- B) 30 cm
- C) 40 cm
- D) 50 cm

4. Which compound shape has the larger area: A) two 5x4 rectangles, or B) one 6x7 rectangle plus a 2x2 square?

- A) A is larger
- B) B is larger
- C) They are equal
- D) Cannot tell

Part B: Fill in the Blank

Write the correct answer on each line.

1. A rectangle has perimeter 40 m and width 8 m. The length is _____ meters.
2. An L-shape has a 9 ft by 5 ft rectangle and a 4 ft by 3 ft rectangle. The total area is _____ square feet.
3. A rectangle has area 84 sq in and length 12 in. The width is _____ inches.
4. A square has perimeter 32 cm. Its area is _____ square centimeters.
5. A T-shape has a 10 m by 4 m rectangle and a 5 m by 3 m rectangle. The total area is _____ square meters.

Part A: Multiple Choice

Circle the best answer for each question.

1. A rectangle has perimeter 30 ft and length 9 ft.

What is the width?

- A) 3 ft
- B) 5 ft
- C) 6 ft
- D) 12 ft

2. A T-shape has a 6 m by 3 m rectangle and a 4 m by 2 m rectangle. Total area?

- A) 18 sq m
- B) 22 sq m
- C) 26 sq m
- D) 30 sq m

3. A rectangle has area 100 sq cm and width 10 cm. What is the perimeter?

- A) 20 cm
- B) 30 cm
- C) 40 cm
- D) 50 cm

4. Which compound shape has the larger area: A) two 5x4 rectangles, or B) one 6x7 rectangle plus a 2x2 square?

- A) A is larger
- B) B is larger
- C) They are equal
- D) Cannot tell

Part B: Fill in the Blank

Write the correct answer on each line.

1. A rectangle has perimeter 40 m and width 8 m. The length is 12 meters.
2. An L-shape has a 9 ft by 5 ft rectangle and a 4 ft by 3 ft rectangle. The total area is 57 square feet.
3. A rectangle has area 84 sq in and length 12 in. The width is 7 inches.
4. A square has perimeter 32 cm. Its area is 64 square centimeters.
5. A T-shape has a 10 m by 4 m rectangle and a 5 m by 3 m rectangle. The total area is 55 square meters.