



## Compare Area and Perimeter Statements: Multiple Choice

Grade 4

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

Calculate area and perimeter; choose correct statement.

**Example:** Example: If  $A = 8 \times 3$  and  $B = 6 \times 4$ , both areas are 24 square units but A has a perimeter of 22 units while B has 20 units, so Rectangle A has the greater perimeter.

(1) Rectangle A is 13 units by 5 units. Rectangle B is 10 units by 7 units. Which statement is true?

- (A) Rectangle A has a greater area and a greater perimeter.
- (B) Rectangle B has a greater area and a greater perimeter.
- (C) Rectangle A has a greater area, but Rectangle B has a greater perimeter.
- (D) Rectangle B has a greater area, but Rectangle A has a greater perimeter.

(2) Rectangle A is 11 units by 6 units. Rectangle B is 9 units by 8 units. Which statement is true?

- (A) Rectangles A and B have the same area, but Rectangle A has a greater perimeter.
- (B) Rectangles A and B have the same area, but Rectangle B has a greater perimeter.
- (C) Rectangle A has a greater area, but Rectangle B has a greater perimeter.
- (D) Rectangle B has a greater area, but Rectangle A has a greater perimeter.



(3) Rectangle A is 15 units by 3 units. Rectangle B is 10 units by 5 units. Which statement is true?

- (A) Rectangle A has a greater area and a greater perimeter.
- (B) Rectangle B has a greater area and a greater perimeter.
- (C) Rectangle A has a greater area, but Rectangle B has a greater perimeter.
- (D) Rectangle B has a greater area, but Rectangle A has a greater perimeter.

(4) Rectangle A is 12 units by 5 units. Rectangle B is 10 units by 6 units. Which statement is true?

- (A) Rectangles A and B have the same area, but Rectangle A has a greater perimeter.
- (B) Rectangles A and B have the same area and the same perimeter.
- (C) Rectangles A and B have the same perimeter, but Rectangle A has a greater area.
- (D) Rectangles A and B have the same area, but Rectangle B has a greater perimeter.

(5) Rectangle A is 14 units by 3 units. Rectangle B is 11 units by 4 units. Which statement is true?

- (A) Rectangle A has a greater area and a greater perimeter.
- (B) Rectangle B has a greater area and a greater perimeter.
- (C) Rectangle A has a greater area, but Rectangle B has a greater perimeter.
- (D) Rectangle B has a greater area, but Rectangle A has a greater perimeter.



(6) Rectangle A is 16 units by 2 units. Rectangle B is 9 units by 4 units. Which statement is true?

- (A) Rectangle A has a greater area and a greater perimeter.
- (B) Rectangle B has a greater area and a greater perimeter.
- (C) Rectangle A has a greater area, but Rectangle B has a greater perimeter.
- (D) Rectangle B has a greater area, but Rectangle A has a greater perimeter.

