

LESSON 27: Perimeter vs. Area

Homework

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Name _____ Date _____

Directions: Complete the following area and perimeter problems.

1. A rectangle has a perimeter of 14 inches. What is the largest possible area of the rectangle?

2. A rectangle has a perimeter of 26 inches. What is the largest possible area of the rectangle?

3. A rectangle has a perimeter of 26 inches. What is the smallest possible area of the rectangle?

4. A rectangle has a perimeter of 14 inches. What is the smallest possible area of the rectangle?

5. Sammy wants to make an ad for the newspaper. It needs to be a rectangle and have a perimeter of 32 centimeters. What is the largest possible area of the ad?

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- 6.** A rectangle has an area of 24 ft^2 . What is the smallest possible perimeter of the rectangle?

- 7.** A rectangle has an area of 24 ft^2 . What is the largest possible perimeter of the rectangle?

- 8.** A rectangle has an area of 60 m^2 . What is the smallest possible perimeter of the rectangle?

- 9.** A rectangle has an area of 60 m^2 . What is the largest possible perimeter of the rectangle?

- 10.** Joli is drawing a rectangle with chalk on her driveway. She wants to use her jump rope to go around the outside of her rectangle. If the rectangle has an area of 100 square inches and it has the largest perimeter possible, how many inches of jump rope will she need?
