ALBERT

Name _____ Date _____

Area and Perimeter Worksheet

Grade 4 · Common Core 4.MD.A.3

> Apply the area and perimeter formulas for rectangles in real world and mathematical problems. For example, find the width of a rectangular room given the area of the flooring and the length, by viewing the area formula as a multiplication equation with an unknown factor.

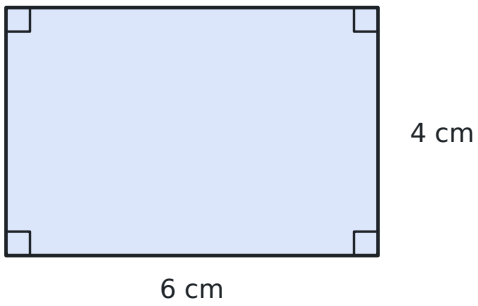
Practice

Builds the skill step by step.

1. A rectangle is 8 units long and 5 units wide. What is its area?

2. A rectangle is 8 units long and 5 units wide. What is its perimeter?

3. What is the area of the rectangle?



4. Which finds the area of a rectangle?

   A. length + width + length + width

   B. length + width

   C. 2 × length

   D. length × width

5. A square has sides that are 7 inches long. What is its perimeter?

6. A rectangle has an area of 36 square feet. Its length is 9 feet. What is its width?

7. What is the perimeter of a rectangle that is 10 meters long and 3 meters wide?

8. A bedroom is 12 feet long and 10 feet wide. What is the area of the floor?

9. Which unit could be used for area?

   A. feet

   B. liters

   C. square feet

   D. pounds

10. A square has sides that are 6 meters long. What is its area?

ALBERT

Name _____ Date _____

Area and Perimeter Worksheet

Grade 4 · Common Core 4.MD.A.3

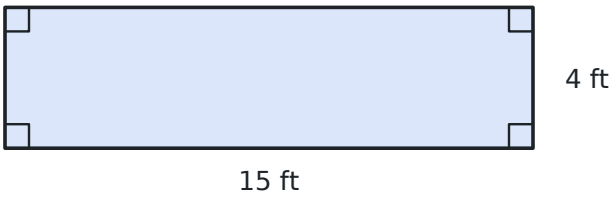
On Level

Grade-level practice.

1. A rug has an area of 48 square feet. It is 8 feet long. How wide is it?

2. A rectangle has a perimeter of 30 centimeters. Its length is 10 centimeters. What is its width?

3. What is the perimeter of the rectangle?



4. A garden is 25 meters long and 12 meters wide. What is its area?

5. Rectangle A is 6 cm by 4 cm. Rectangle B is 8 cm by 3 cm. Which is true?

   A. B has the larger area.

   B. They have the same area, and B has the larger perimeter.

   C. A has the larger area.

   D. They have the same area and the same perimeter.

6. A dog pen is 14 feet long and 9 feet wide. How many feet of fence go around it?

7. A square has an area of 64 square inches. How long is each side?

8. A room needs 180 square feet of flooring. The room is 15 feet long. How wide is it?

9. A square has a perimeter of 44 centimeters. How long is each side?

10. A poster is 3 feet long and 2 feet wide. What is its area in square inches?

Area and Perimeter Worksheet

Grade 4 · Common Core 4.MD.A.3

Challenge

Multi-step and word problems that stretch it.

1. A rectangle has an area of 72 square meters and a perimeter of 34 meters. How long is its longer side?

2. Two rectangles each have a perimeter of 20 feet. One is 1 foot by 9 feet. The other is 5 feet by 5 feet. How much greater is the area of the second one?

3. A garden is 10 meters by 6 meters. A shed that is 2 meters by 3 meters sits in the garden. How much area is left for plants?

4. A floor is 8 feet by 6 feet. It is covered with 1-foot square tiles that cost 3 dollars each. How much do the tiles cost?

5. A rectangle's length is doubled and its width stays the same. What happens to the area?

   A. It doubles.

   B. It stays the same.

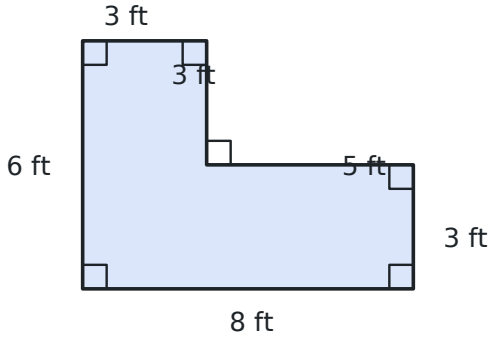
   C. It is 4 times as big.

   D. It is cut in half.

6. A rectangle is 12 centimeters long. It has the same area as a 6 cm by 8 cm rectangle. How wide is it?

7. Gus has 40 meters of fence for a rectangular pen. The pen is 12 meters long. How wide is it?

8. Find the area of the L-shaped figure. All corners are right angles.



9. A square has a perimeter of 36 inches. What is its area?

10. A field is 90 feet long and 60 feet wide. Mo walks around the edge of the field twice. How many feet does he walk?