

Grade 4 - Area and Perimeter of Rectangles - Worksheet

Common Core 4.MD.A.3 · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

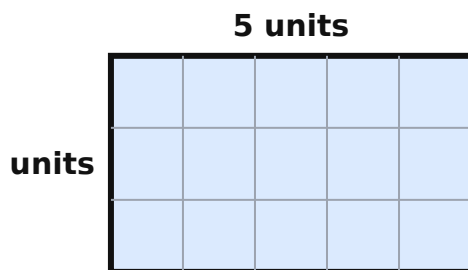
These 20 problems practice finding the area and perimeter of rectangles and squares, and finding a missing side. They match Common Core 4.MD.A.3. Start with counting squares and using the formulas.

The last six problems are real-world word problems about gardens, bedrooms, posters, patios, and a dog pen. Write the correct units, such as feet or square feet.

Grade 4 · Common Core State Standards: **4.MD.A.3**

Exercise 1 - Count the squares

Count the unit squares to find the area of the rectangle.



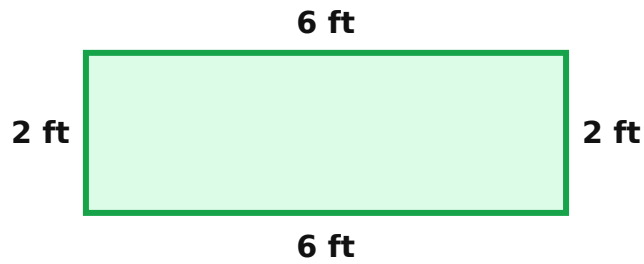
5 columns and 3 rows of unit squares.

Exercise 2 - Area of a rectangle

A card is 7 in long and 3 in wide. Find its area.

Exercise 3 - Perimeter by adding

Find the perimeter of the rectangle by adding all four sides.



All four sides are labeled.

Exercise 4 - Perimeter formula

A rectangle is 9 yd long and 4 yd wide. Find its perimeter.

Exercise 5 - Area of a square

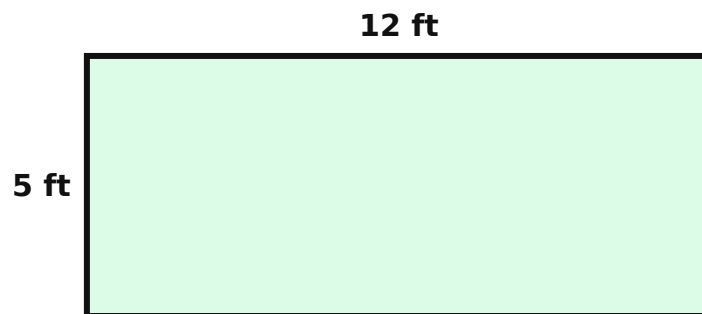
A square tile has sides of 6 in. Find its area.

Exercise 6 - Perimeter of a square

A square sandbox has sides of 8 ft. Find its perimeter.

Exercise 7 - Find the area

Find the area of the rectangle.



Length 12 ft, width 5 ft.

Exercise 8 - Find the perimeter

Find the perimeter of a rectangle that is 12 ft long and 5 ft wide.

Exercise 9 - Complete the table

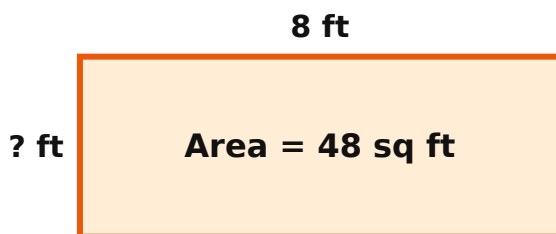
Find the area and perimeter of each rectangle.

Length	Width	Area	Perimeter
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Length	Width	Area	Perimeter
10 in	4 in	?	?
9 in	6 in	?	?
11 in	2 in	?	?

Exercise 10 - Missing width

A rectangle has an area of 48 sq ft and a length of 8 ft. Find the width.



The area and one side are known.

Exercise 11 - Missing length

A rectangle has an area of 72 sq in and a width of 9 in. Find the length.

Exercise 12 - Missing side from perimeter

A rectangle has a perimeter of 30 in and a length of 9 in. Find the width.

Exercise 13 - Same area, many shapes

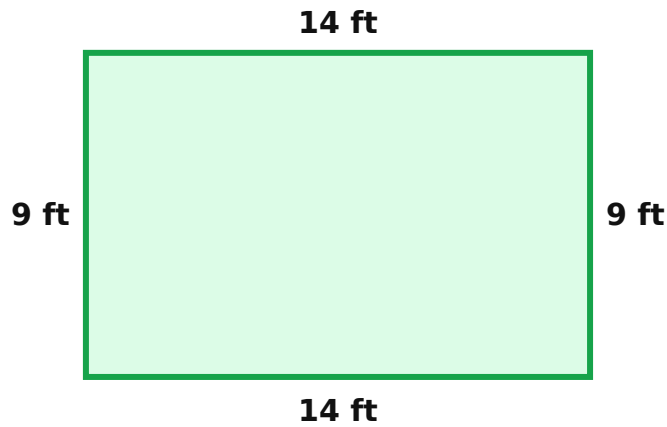
A rectangle has an area of 18 sq units and whole-number sides. List every possible pair of length and width. Find each perimeter. Which rectangle has the smallest perimeter?

Exercise 14 - Doubling a rectangle

A rectangle is 5 ft by 3 ft. Find its area and perimeter. Then double both the length and the width, and find the new area and perimeter.

Exercise 15 - Garden fence

Maya's garden is a rectangle 14 ft long and 9 ft wide. Fence costs \$3 per foot. How many feet of fence does she need, and what is the total cost?



All four sides are labeled.

Exercise 16 - Bedroom carpet

Jamal's bedroom floor is 12 ft by 10 ft. Carpet costs \$2 per square foot. How much does it cost to carpet the whole floor?

Exercise 17 - Fence for a garden plot

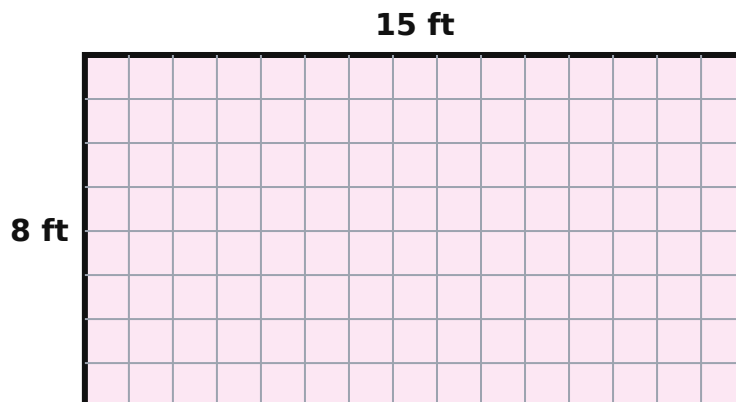
Sofia's rectangular garden has an area of 96 sq ft and a length of 12 ft. How much fence goes around it?

Exercise 18 - Poster board

Priya's poster board is 28 in by 22 in. She glues ribbon along the whole edge and covers the front with paper. How many inches of ribbon does she need, and how many square inches of paper?

Exercise 19 - Patio tiles

Ethan covers a 15 ft by 8 ft patio with square tiles that are 1 ft on each side. Tiles come in boxes of 20. How many boxes does he need?



The patio floor.

Exercise 20 - Dog pen

Diego has 36 ft of fence for a rectangular dog pen. The length is 10 ft. Find the width, then the area of the pen.