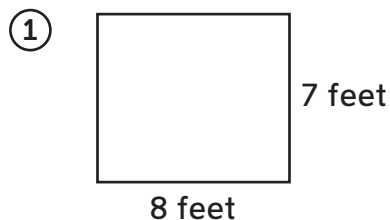# Finding the Perimeter

Family Note In class, students developed some rules, or *formulas,* for finding the perimeter of a rectangle. Here are three possible formulas:
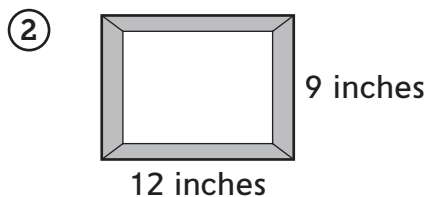
- Add the measures of the four sides: perimeter of a rectangle = length + length + width + width. This formula can be abbreviated as: $p = l + l + w + w$.

- Add the two given sides and double the sum: perimeter of a rectangle = 2 ∗ (length + width). This formula can be abbreviated as: $p = 2 * (l + w)$.

- Double the length, double the width, and then add: perimeter of a rectangle = (2 ∗ length) + (2 ∗ width). This formula can be abbreviated as: $p = 2l + 2w$.

In all of the formulas, the letter *p* stands for the *perimeter of a rectangle,* the letter *l* stands for the *length of the rectangle,* and the letter *w* stands for the *width of the rectangle*.
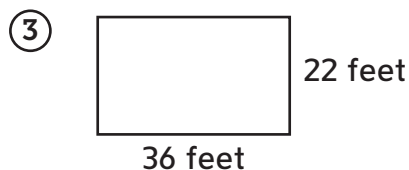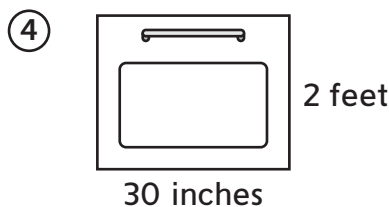
Find the perimeters of the rectangles below.

SRB 200

①

7 feet

8 feet

Perimeter: _____ feet

②

9 inches

12 inches

Perimeter: _____ inches

③

22 feet

36 feet

Perimeter: _____ feet

④

2 feet

30 inches

Perimeter: _____ inches

⑤ The perimeter of a garden is 42 feet. The length is 15 feet. What is the width?

Width: _____ feet

Practice

Round each number to the nearest ten-thousand and hundred-thousand.

⑥ 421,492 _____ _____

⑦ 895,531 _____ _____