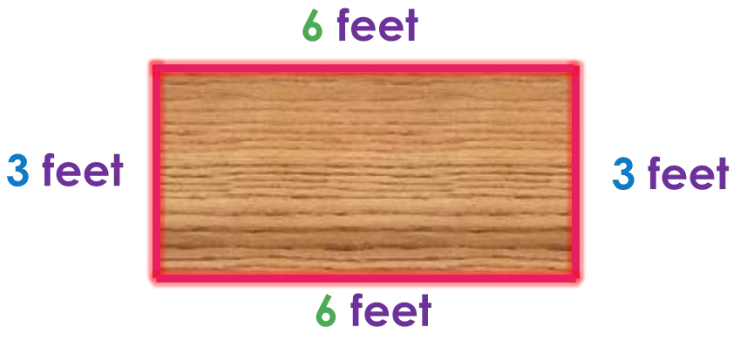
We will find the perimeter of a rectangle. | **Concept Development**

A **perimeter (P)** is the **length of the distance** around a closed figure.
▶ The **perimeter** of a closed figure is found by adding all the side lengths.
▶ The perimeter formula[1] for a **rectangle** is: **P = 2l + 2w.**



$P = 2l + 2w$
$P = 2(6) + 2(3)$
$P = 12 + 6$
$P = 18$ feet

The perimeter of the table is **18 feet**.

CFU

Trace the perimeter of the rectangle below.

In your own words, what is the perimeter of a rectangle?

We will find the perimeter of a rectangle. | **Skill Development/ Guided Practice**

1 Read the problem to find the rectangle's length and width.
2 Substitute the rectangle's length and width into the formula.
3 Compute the rectangle's perimeter. (write and label units)

1. A sheet of plywood measures 4 feet by 8 feet. What is its perimeter?

Perimeter = _____

2. Jane wants to put ribbon around the perimeter of an invitation she is making. The invitation is 10 cm by 14 cm. How much ribbon will it take to go around the perimeter of the card?

Perimeter = _____

3. We built a fence around our yard. The yard measures 120 feet by 40 feet. What is the length of the fence that goes around the yard's perimeter?

Perimeter = _____

4. We are building a sandbox for our kids. The space measures 4 feet by 6 feet. What is the length of the wood that goes around the sandbox's perimeter?

Perimeter = _____

We will find the perimeter of a rectangle.	Closure

Skill Closure

1 Read the problem to find the rectangle's length and width.
2 Substitute the rectangle's length and width into the formula.
3 Compute the rectangle's perimeter. (write and label units)

1. The postage stamp measured 2 cm by 3 cm. What is its perimeter?

Perimeter =_____

2. A fence is to be built on the perimeter of a 150-foot by 200-foot lot. What is the lot's perimeter?

Perimeter = _____

Concept Closure

Which line is the same length as the perimeter of the rectangle? Explain.

A

B

Summary Closure

What did you learn today about finding the perimeter of a rectangle?

Word Bank
length
distance around
closed figure
formula
P=2l + 2w

Read to find the rectangle's length and width. Substitute those numbers into the perimeter formula. Compute the perimeter. Label the answer with the correct unit of measurement.

1. A carpet measures 9 feet by 12 feet. What is its perimeter?

Perimeter =_____

2. An index card measures 3 inches by 5 inches. What is its perimeter?

Perimeter =_____

3. A lot for a new house measures 950 feet by 1,100 feet. What is its perimeter?

Perimeter =_____

4. Our swimming pool was shaped as a rectangle measuring 16 feet by 27 feet. What was its perimeter?

Perimeter =_____

Read, solve, and interpret the answer to the problem.

1. The table is 4 feet by 12 feet. What is the total length around the table?

The total length around the table is _____.

2. A store has a rectangular parking lot that is 55 feet by 203 feet. How long is the distance around the parking lot?

The distance around the parking lot is _____.

3. My mouse pad is shaped as a rectangle 17 cm by 23 cm. What is the distance around my mouse pad?

The distance around the mouse pad is ____.

4. The baby crib mattress was rectangular in shape. It measured 23 inches by 43 inches. What is the length around the mattress?

The distance around the mattress is _____.

Read, solve, and interpret the answer to the problem.

1. The new paved section of the road is a rectangle that measures 9 yards by 235 yards. What is the distance around the new paved section?

The distance around the paved road is ____.

2. A store put in a rectangular floor measuring 155 feet by 339 feet. What is the length around the floor?

The length around the floor is _____.

3. My pillow case is shaped as a rectangle that measures 46 cm by 129 cm. What is length around the pillow case?

The distance around the pillow case is ____.

4. A rectangular keyboard has measurements of 141 mm by 443 mm. How long is the length around the keyboard?

The length around the keyboard is _____.

Read, solve, and interpret the answer to the problem.

1. The sink is a rectangle that measures 106 cm by 75 cm. How long is the distance around the sink?

The distance around the sink is _____.

2. When we poured cement in our driveway, it was a rectangle that measured 16 feet by 36 feet. What was the length around the driveway?

The length around the driveway is _____.

3. The house's foundation is a rectangle that measured 38 feet by 48 feet. How long do you have to walk to go around the house?

The distance to walk around the house is _____.

4. The computer screen is rectangular in shape. It measures 326 mm by 576 mm. What is the distance around the screen?

The length around the screen is _____.