Name





# Apply the Perimeter Formula for Rectangles

**1** Gwen is starting a dog-walking business after school. The route she walks forms a rectangle. If the length of the route is 4 blocks and the width of the route is 3 blocks, what is the total distance of the route?

**2** Jeffrey wants to put extra tape around the outer edge of his rectangular kite to make sure it does not rip. His kite is 1 meter wide and 2 meters long. How many meters of tape does Jeffrey need?

**3** MP **Reason** The school wants to build a new trophy case. They know that the perimeter of the case will be 36 feet. They also know that the width can only be 3 feet. How would they find the length of their new trophy case?

**4** **STEM** Energy can travel as electric currents through wiring made with conductive metals. If the electric company wants to install new wiring around the perimeter of a rectangular area that is 12 miles long and 8 miles wide, how many miles of wire does the electric company need?

**5** Find the perimeter of a rectangle if the length is 10 yards and the width is 2 times as long as the length.

**6** Find the perimeter of a rectangle if the width is 3 meters and the length is 3 times as long as the width.

## Test Prep

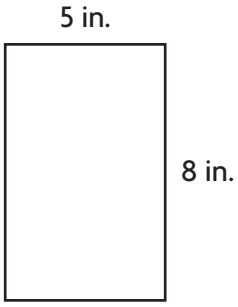
**7** Find the perimeter of a rectangle if the width is 4 feet and the length is 3 times as long as the width.

Ⓐ 14 feet
Ⓑ 22 feet
Ⓒ 32 feet
Ⓓ 48 feet

**8** Joseph wants to string lights around the perimeter of the ceiling of his front porch. The ceiling is shaped like a rectangle. If the the ceiling of the porch is 9 meters long and 8 meters wide, how many meters of lights does he need?

Ⓐ 16 meters
Ⓑ 17 meters
Ⓒ 34 meters
Ⓓ 43 meters

**9** Find the perimeter.




Ⓐ 40 inches
Ⓑ 26 inches
Ⓒ 22 inches
Ⓓ 13 inches

**10** Find the perimeter of a rectangle if the width is 7 feet and the length is 4 feet longer than the width.

Ⓐ 22 feet
Ⓑ 28 feet
Ⓒ 36 feet
Ⓓ 77 feet

## Spiral Review

**Add or subtract.**

**11**
$$\begin{array}{r} 268{,}401 \\ -\ 14{,}260 \\ \hline \end{array}$$

**12**
$$\begin{array}{r} 3{,}824 \\ +\ 9{,}452 \\ \hline \end{array}$$

**13**
$$\begin{array}{r} 28{,}489 \\ +\ 37{,}216 \\ \hline \end{array}$$

**14**
$$\begin{array}{r} 396{,}813 \\ -\ 45{,}015 \\ \hline \end{array}$$