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LESSON 5-11

Apply Area and Perimeter

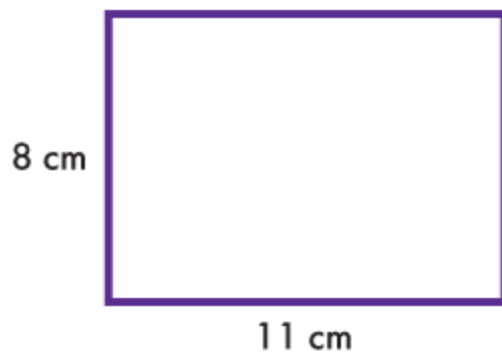
 [MA.3.GR.2.3](#), [MA.3.AR.1.2](#), [MA.3.GR.2.4](#), [MA.3.NSO.2.4](#), [MTR.3.1](#), [MTR.4.1](#), [MTR.7.1](#)

For more help with this lesson, view the [Visual Learning Animation](#) or the [Another Look Video](#).

MATH HELP AT HOME

Sample Additional Practice Exercise 1

Find the area and perimeter of the rectangle.



Area: $11 \times 8 = 88 \text{ sq. cm}$

Perimeter: $(2 \times 11) + (2 \times 8) = 22 + 16 = 38 \text{ cm}$

The length is 11 centimeters.

The width is 8 centimeters.

Processing math: 35%

$$A = l \times w$$

$$A = 11 \times 8$$

$$A = 88 \text{ square centimeters}$$

$$P = 2 \times l + 2 \times w$$

$$P = 2 \times 11 + 2 \times 8$$

$$P = 22 + 16$$

$$P = 38 \text{ centimeters}$$



HOME ACTIVITY

Inside and Outside

MATERIALS

Grid Paper, Highlighters or Colored Pencils

ACTIVITY

Part 1: Ask your child to color two different rectangles that have an area of 10 square units: 1×10 and 2×5 . Have your child verify the areas by counting 10 squares inside each rectangle. Now ask your child to outline the rectangles with a different color and find the perimeters. Check their work. The perimeters are 22 units and 14 units. Point out that the two rectangles have the same area but different perimeters.

Part 2: Ask your child to outline two different rectangles that have a perimeter of 10 units: 1×4 and 2×3 . Have your child verify the perimeters by counting 10 units on the outline of each rectangle. Now ask your child to color inside the rectangles with a different color and find the areas. Check their work. The areas are 4 square units and 6 square units. Point out that the two rectangles have the same perimeter but different areas.

Processing math: 35%