Topic 05 / Lesson 5

LESSON 5-5

Cover Regions

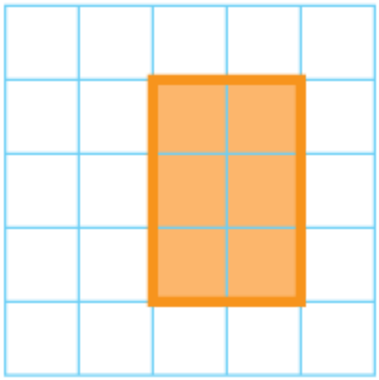
MA.3.GR.2.1, MTR.3.1, MTR.4.1, MTR.6.1

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

Count square units to find the area of the figure.



Each square on the grid is 1 square unit. Count the shaded squares. There are 6. The area is 6 square units.

HOME ACTIVITY

Color Polyominoes

MATERIALS

Grid Paper, Highlighter or Colored Pencil

ACTIVITY

Help your child show areas by coloring square units on grid paper with a highlighter. Follow this sequence of steps:

Color 1 square on the grid paper. This shows 1 square unit.

Color 2 squares together to form a rectangle. This shows 2 square units.

Color 3 squares together to form a rectangle. This shows 3 square units.

Color 3 squares together to form a figure that is not a rectangle, with edges connected. (Color one square, the square below it, and the square on its right.) This shows 3 square units.

Color 4 squares together to form as many different figures as you can, with edges connected. (There are 5 possible figures: rectangle, square, L-shape, T-shape, Z-shape.) Each figure shows 4 square units and is called a *tetromino*.

Color 5 squares together to form as many different figures as you can, with edges connected. (There are 12 possible figures; find as many as you can.) Each figure shows 5 square units and is called a *pentomino*.

Optional: Research tetrominos and pentominos on the Internet to check or add to the figures you have colored.