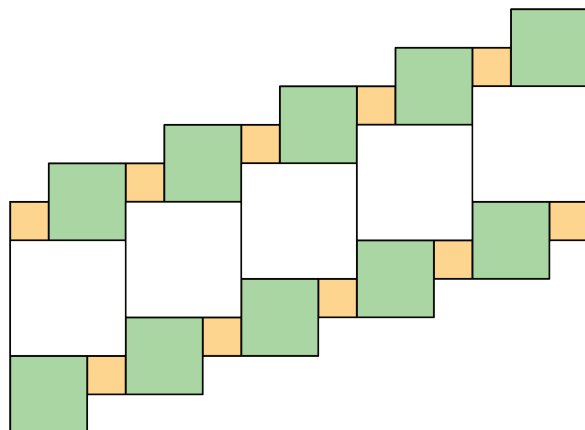# Lesson 1 Practice Problems

1. Which square—large, medium, or small—covers more of the plane? Explain your reasoning.
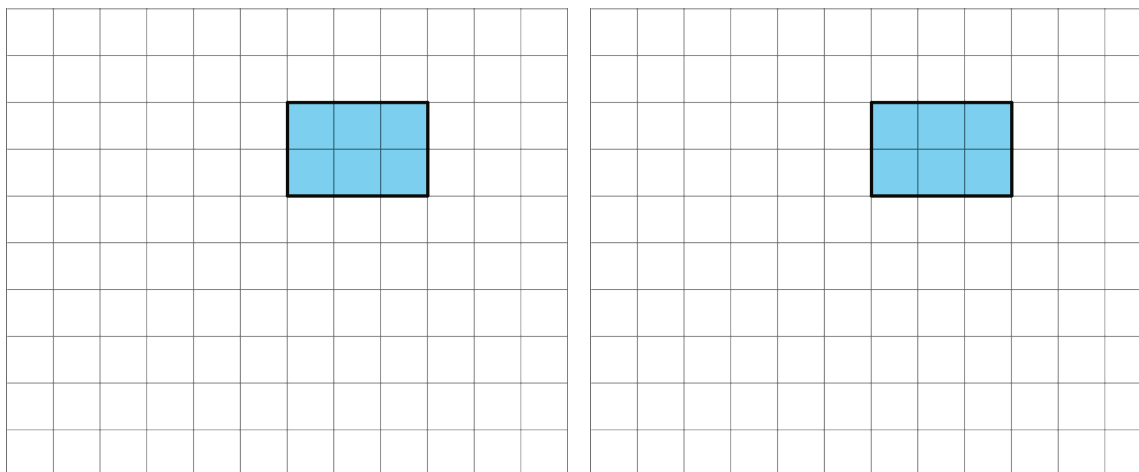

2. Draw three different quadrilaterals, each with an area of 12 square units.

Accelerated 6 Unit 1

Lesson 1

CC BY Open Up Resources. Adaptations CC BY IM.
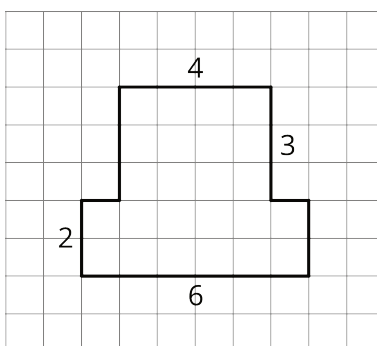
1

3. Use copies of the rectangle to show how a rectangle could:

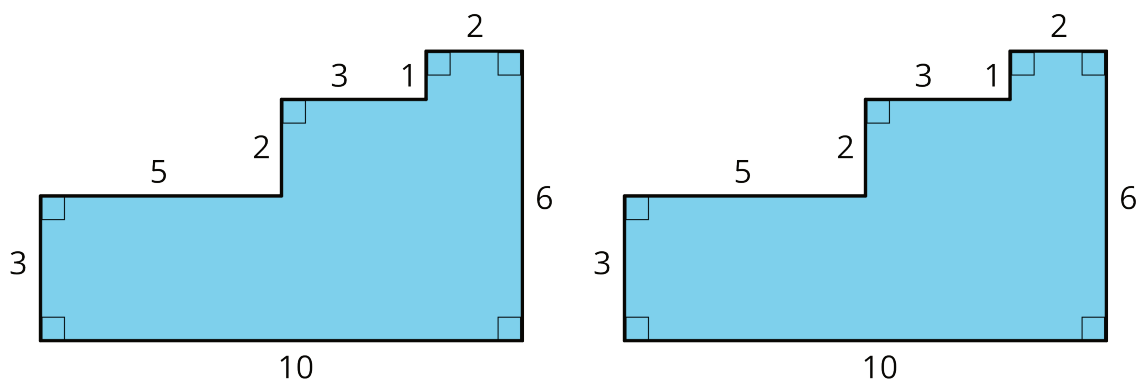a. tile the plane.   b. *not* tile the plane.

4. The area of this shape is 24 square units. Which of these statements is true about the area? Select **all** that apply.

A. The area can be found by counting the number of squares that touch the edge of the shape.

B. It takes 24 grid squares to cover the shape without gaps and overlaps.

C. The area can be found by multiplying the sides lengths that are 6 units and 4 units.

D. The area can be found by counting the grid squares inside the shape.

E. The area can be found by adding 4×3 and 6×2.

Accelerated 6 Unit 1
Lesson 1

CC BY Open Up Resources. Adaptations CC BY IM.

2

5. Here are two copies of the same figure. Show two different ways for finding the area of the shaded region. All angles are right angles.

6. Which shape has a larger area: a rectangle that is 7 inches by $\frac{3}{4}$ inch, or a square with side length of $2\frac{1}{2}$ inches? Show your reasoning.

Accelerated 6 Unit 1

Lesson 1

CC BY Open Up Resources. Adaptations CC BY IM.

3