Exploring Area

Geometry & Shapes

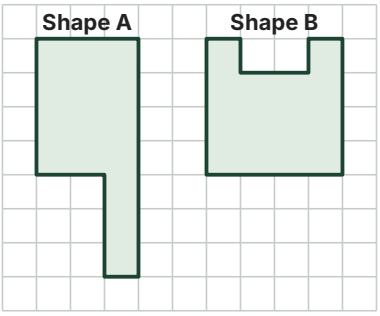
Name: _____ Date: _____ Grade 6

1. Which shape has a greater area? Show or explain your thinking.

A Shape A

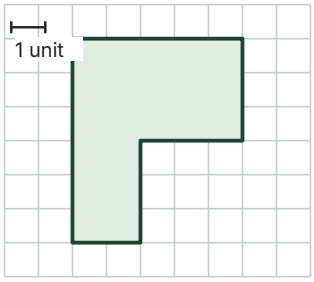
B Shape B

C They have the same area.



Problems 2–4: Here is a new shape. Each square on the grid has an area of 1 square unit.

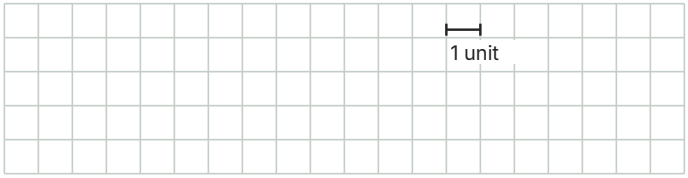
2. Determine the area of the shape. Show or explain your thinking.



3. Show or describe another way to determine the area of this shape.

4. Show or describe how you would change this shape so it has an area of 18 square units.

5. Draw *three* different rectangles, each with an area of 18 square units. Each square in the grid has an area of 1 square unit.







6. Leah says that two shapes with different outlines can never have the same area. Do you agree? Explain your thinking.