

Unit 4

Geometry

Real-World Connection A box seems like a pretty simple object. But a box can be so useful. You can fill a gift box with pretty stones for a present. But what volume of stones will the box hold? You can wrap a box with paper for a present. How much paper will you need? A box can be flattened out so you can save it in your desk drawer to use another day. What will it look like when it is flat?

In This Unit You will find the area of polygons. You will find the volume of different geometric shapes. You will also solve problems about shapes on the coordinate plane and find surface area using nets.

✓ Self Check

Before starting this unit, check off the skills you know below. As you complete each lesson, see how many more you can check off!

I can:	Before this unit	After this unit
find the area of triangles, quadrilaterals, and other polygons	<input type="checkbox"/>	<input type="checkbox"/>
solve problems with polygons in the coordinate plane	<input type="checkbox"/>	<input type="checkbox"/>
use nets to find the surface area of three-dimensional figures	<input type="checkbox"/>	<input type="checkbox"/>
find the volume of a rectangular prism with fractional edge lengths, for example: the volume of a cube with edges $\frac{1}{2}$ inch is $\frac{1}{8}$ cubic inch	<input type="checkbox"/>	<input type="checkbox"/>