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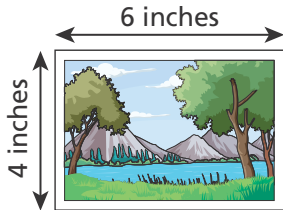
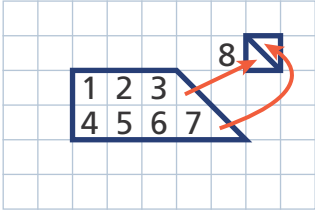
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About the Mathematics in This Unit

Dear Family,

Our class is starting a new mathematics unit about geometry and measurement called *Perimeter, Area, and Polygons*. During this unit, students measure length by using U.S. standard units (inches, feet, yards) and metric units (centimeters, meters). They investigate characteristics of triangles and quadrilaterals (4-sided polygons). They use right angles as a reference to identify other angles as being greater than or less than 90 degrees. Students solve problems about perimeter (the length of the border of a figure) and area (the measure of how much flat space a figure covers).

Benchmarks	Examples
<p>Measure and find the perimeter of 2-D figures using U.S. standard and metric units.</p>	<p>What is the perimeter of this photograph?</p>  <p>I measured the sides of the photograph by using inches.</p> <p>The bottom will measure the same as the top and the right side will measure the same as the left side.</p> $6 + 4 + 6 + 4 = 20$ <p>The perimeter of the photograph is 20 inches.</p>
<p>Find the area of 2-D figures using U.S. standard and metric units.</p>	<p>What is the area of this figure?</p>  <p>I counted 7 square units and two $\frac{1}{2}$ square units, so the total area is 8 square units</p>

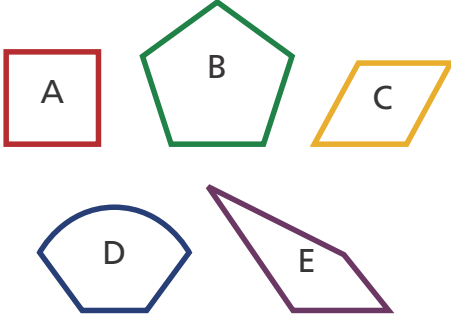


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About the Mathematics in This Unit

Benchmarks	Examples
<p>Categorize quadrilaterals, including squares, rhombuses and rectangles, based on their attributes.</p>	<p>Which of these are quadrilaterals? Explain how you decided.</p>  <p>A, C, and E are quadrilaterals. They all have 4 straight sides.</p> <p>Which are rhombuses?</p> <p>A and C are rhombuses.</p>

In our math class, students spend time discussing problems in depth and are asked to share their reasoning and solutions. It is important that children solve math problems in a way that makes sense to them. At home, encourage your child to explain the math thinking that supports those solutions.

Please look for more information and activities from Unit 4 that will be sent home in the coming weeks.