Bridges in Mathematics, Grade 2

Unit 6: Geometry

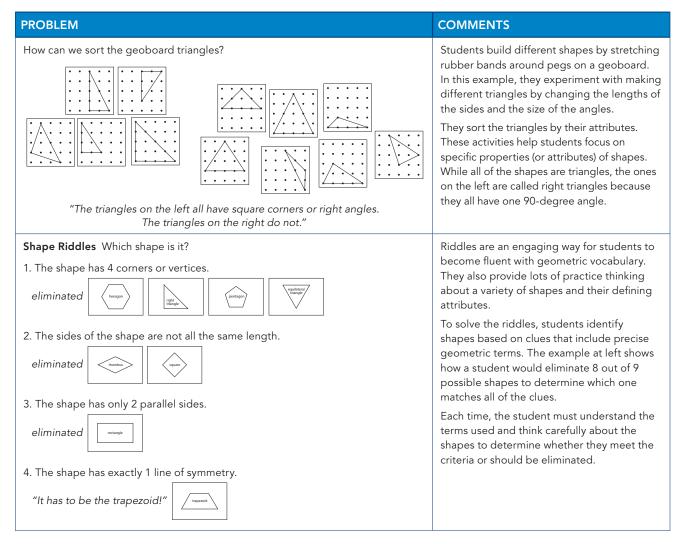
In this unit, your child will:

Identify, describe, draw, and create 2-D shapes based on their defining features



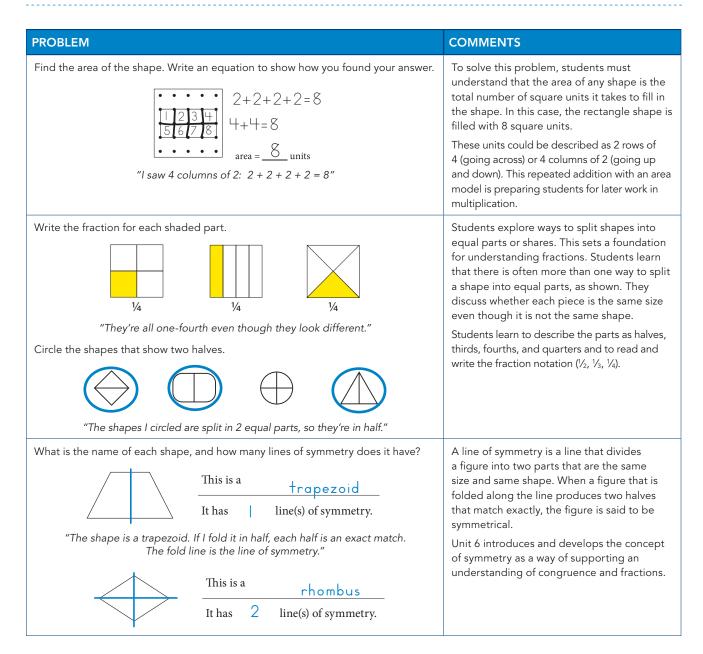
- Explore the area of shapes, especially rectangles
- Split whole shapes into 2, 3, or 4 equal parts called halves, thirds, or fourths/quarters
- Recognize that equal parts of identical wholes do not need to be the same shape

Your child will solve problems like those shown below. Keep this sheet for reference when you're helping with homework.



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Grade 2, Unit 6: Geometry



FREQUENTLY ASKED QUESTIONS ABOUT UNIT 6

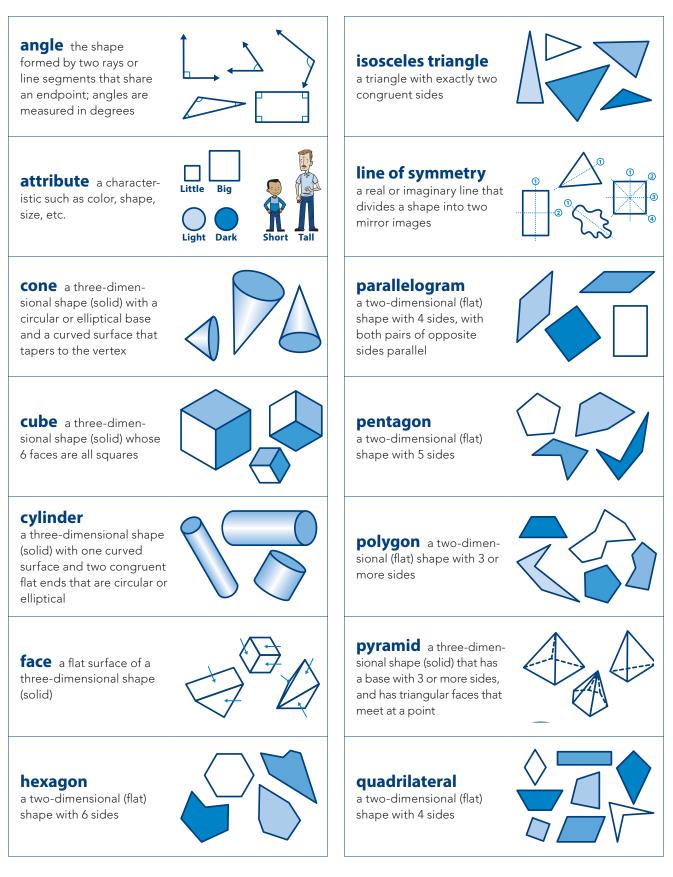
Q: I can't remember what so many of the geometry words mean. Where can I go for help?

A: These geometry words let us name shapes and talk about them in precise ways. See the attached Geometry Vocabulary Terms for a refresher.

Q: Why is geometry important?

A: Studying geometry gives students ways to analyze the physical world. The skills students develop now including the vocabulary that they will come to understand and use with confidence—will help them in high school geometry, trigonometry, physics, and calculus. An additional benefit of studying geometry is that many students with a strong spatial sense—for example, the ability to visualize and manipulate shapes in their minds—blossom when they are engaged in the kind of spatial problem solving featured in this unit.

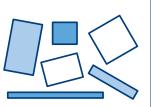
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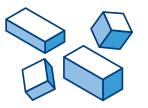
rectangle

a two-dimensional (flat) shape with 2 pairs of parallel sides (4 sides total) and 4 right angles

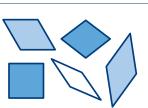


rectangular prism

a three-dimensional shape (solid) whose 6 faces are all rectangles



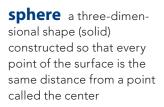
rhombus a two-dimensional (flat) shape with 4 congruent sides



scalene triangle

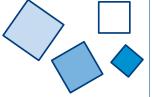
a triangle whose sides are all of different lengths

side a line segment that, with other line segments, form a two-dimensional (flat) shape



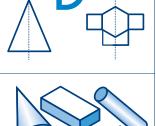
square a two-dimensional (flat) shape with 4 congruent sides and 4 right angles





symmetry the property of a shape that can be folded so that the two halves match exactly

three-dimensional (3-D) shape a solid shape with depth, width, and height; a shape that



has volume



triangle a two-dimensional (flat) shape with 3 sides



triangular prism a three-dimensional shape (solid) with 2 triangular bases and 3 rectangular faces



two-dimensional (2-D) shape a flat shape with length and width; a shape that has area but not volume

vertex or corner

the point at which the sides of a two-dimensional (flat) shape or the edges of a three-dimensional shape (solid) intersect

