SCHOOL-to-HOME CONNECTIONS

Chapter 8

Polygons

Dear Family,

In this chapter, your child will learn about classifying triangles and polygons. Skills your child will practice include:

- identifying right, isosceles, equilateral, and scalene triangles
- classifying triangles by their side lengths and angle measures
- classifying polygons using a hierarchy

Math Practice

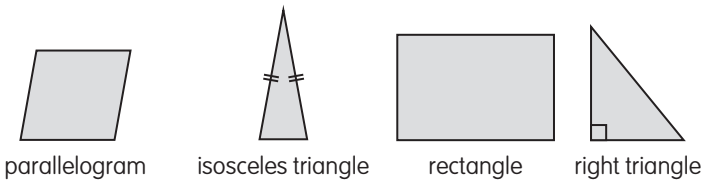
We can see shapes in nature and the products of human invention and creativity. At the end of this chapter, you may want to carry out these activities with your child. These activities will help to strengthen your child's recognition and understanding of three-sided and four-sided figures.

Activity 1

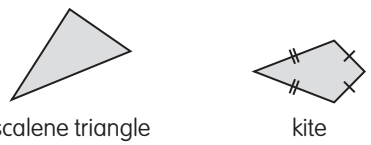
- Look around your neighborhood. Find examples of different types of triangles.
- Have your child identify each triangle.

Activity 2

- Show the following polygons to your child.



parallelogram | isosceles triangle | rectangle | right triangle



scalene triangle | kite

- Have your child classify the polygons using a hierarchy.

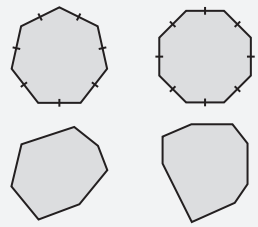
Math Talk

Discuss how to use length and angle size to differentiate triangles. Help your child find examples of the following types of triangles in his or her mathematics book.

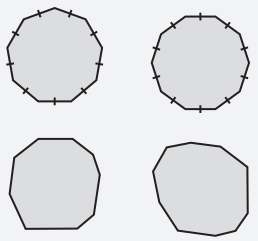
- An **equilateral triangle** has 3 sides of equal length.
- An **isosceles triangle** has 2 sides of equal length.
- A **scalene triangle** has 3 sides of different lengths.

Ask your child to continue using his or her mathematics book to identify **polygons** and classify them. Examples of polygons:

Heptagon **Octagon**



Nonagon **Decagon**





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