Unit 8, Lesson 2

Ways to Look at Triangles

Let's sort and analyze triangles.

Warm-up

Number Talk: Sums and Products

Find the value of each expression mentally.

- $12 + 12 + 75$
- $12\frac{1}{2} + 12\frac{1}{2} + 75$
- $(2 \times 12\frac{1}{2}) + (4 \times 12\frac{1}{2})$
- $7 \times 12\frac{1}{2}$

Activity 1

Triangle Hunt

1. From the set of triangle cards, find all the triangles that have each attribute. Record their letter names here.

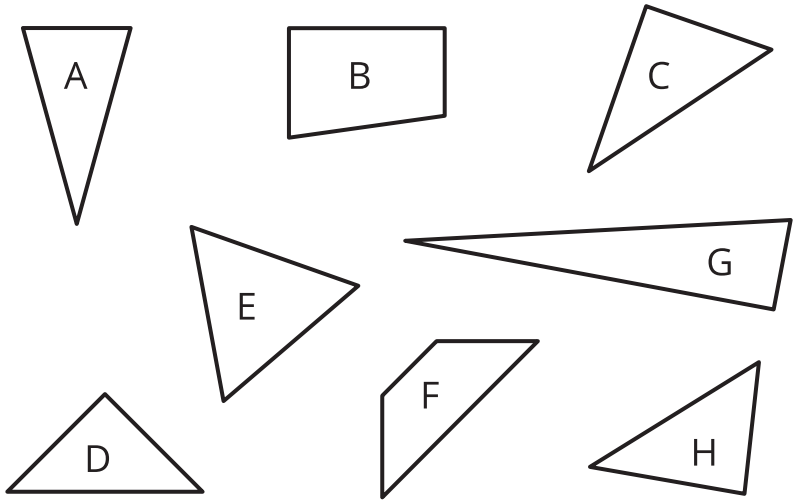
a. No right angles	b. Parallel sides	c. Perpendicular sides
d. The same length for all sides	e. The same size for all angles	f. More than 1 right angle
g. More than 1 obtuse angle	h. More than 1 acute angle	i. Foldable into 2 equal halves

2. Choose 1 sentence to complete based on your work.
   a. I noticed that some triangles . . .
   b. I noticed that all triangles . . .
   c. I noticed that no triangles . . .

Activity 2

The Right Kind of Triangle

1. Identify all shapes that are right triangles. For each right triangle, mark the right angle with a small square.



2. Explain why the other shapes are *not* right triangles.