



# 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 |

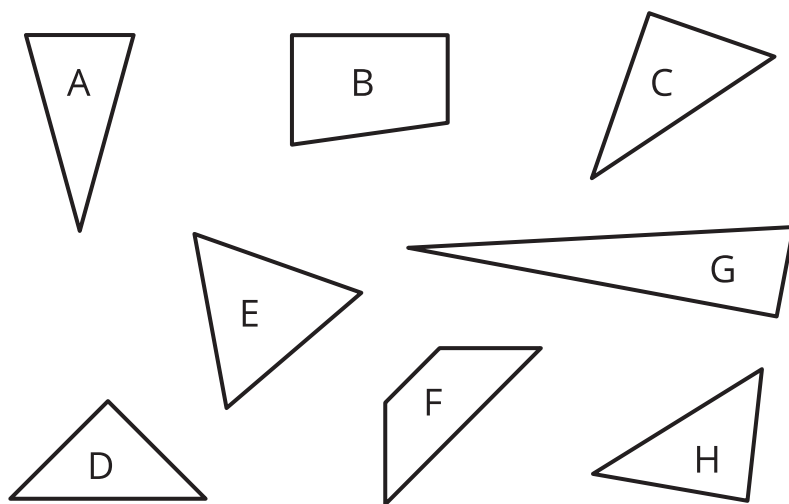
2. Choose 1 sentence to complete based on your work.

- a. I noticed that some triangles . . .
- b. I noticed that all triangles . . .
- c. I noticed that no triangles . . .



## 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.

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