Recap and Overview

Yesterday we constructed triangles with side lengths of 3, 4, 5 and 6, 8, 10 and 9, 12, 15 (all in cm).

Some of the observations you guys made were fantastic. Some of the observations I was hoping you would make were hidden (or at least difficult to see) because we didn't have a good way of organizing our measurements.

Today we'll use a table to organize our results. Hopefully it will make it easier to make more (and more interesting) observations.

The Triangles

The triangles are provided on a separate piece of paper.
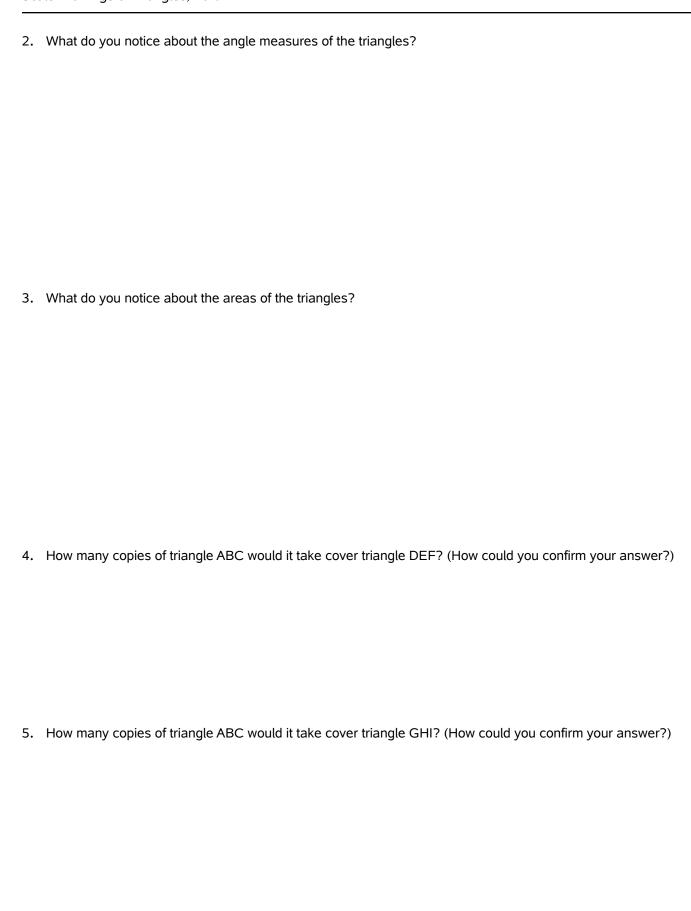
The Table

Record your measurements here:

	Side Lengths (cm)			Angle Measures (º)			Area (cm^2)
	Smallest	**Middle**	**Longest**	**Smallest**	**Middle**	**Largest**	
Triangle ABC							
Triangle DEF							
Triangle GHI							

Notice

For each of the questions that follow, be as **specific** as possible. Pay special attention to the relationships **between** triangles (rather than just considering the triangles in isolation).

1. What do you notice about the side lengths of the triangles?

2. What do you notice about the angle measures of the triangles?

3. What do you notice about the areas of the triangles?

4. How many copies of triangle ABC would it take cover triangle DEF? (How could you confirm your answer?)

5. How many copies of triangle ABC would it take cover triangle GHI? (How could you confirm your answer?)