

Name _____

Reflection Piece.

Student Evaluation of Triangles

Walk around the room and examine each triangle on each poster.

Reminder of the conditions for each triangle:

1. Create a triangle that has sides of 11cm, 14cm, and 18cm.
Make this out of red paper.
2. Create a triangle with angle measures of 30, 45, and 105 degrees.
Make this out of orange paper.
3. Create a triangle that has sides of 14cm and 11cm with a 30 degree angle *between* the two sides. Make this out of yellow paper.
4. Create a triangle that has a side of 11cm. At one end is a 30 degree angle and at the other end is a 105 degree angle. Make this out of green paper.
5. Create a triangle that has angle measures of 45 and 105 degrees. Have the side *opposite* the 45° angle measure 14cm long. Make this with blue paper.
6. Create a triangle that has a side of 18cm and a side of 14cm. Have the angle *opposite* the 14cm side be a 30 degree angle. Make this out of purple paper.
7. Create a triangle that has a side of 18cm and a side of 14cm. Have the angle *opposite* the 18cm side be a 90 degree angle. Make this out of pink paper.

Right now concentrate on the following:

Which triangles seem to be **CONGRUENT** to the same colored triangles on all the posters?

Fill out the chart below to organize the information: (21 points)

Name for the given conditions	SSS Side-Side-Side	ASA Angle-Side-Angle	AAA Angle-Angle-Angle	SAS Side-Angle-Side	AAS Angle-Angle-Side	SSA <i>Side-Side-Angle</i>	HL Hypotenuse - Leg
Which number triangle is it?							
Color of the triangle created by this condition.							
Are all the triangles constructed this way congruent?							

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