Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_
**Thanksgiving Color Match Activity** TRIANGLE CONGRUENCE BY SSS AND SAS

 

$$3$$

$$3$$

$$3$$

$$3$$

$$4$$

**Equal**

$$20°$$

**Congruent**

**SSS**

**SAS**

$$4$$

**SAS**

**SSS**

**Congruent**

$$108°$$

**Size**

**Directions: Answer the questions. Find your answer on the Thanks-Giving Pumpkin. Then color according to your answers.**

**1.** Two triangles are congruent if they have the same shape and the same \_\_\_\_\_\_. **(ORANGE)

2.** In the figure given below, what is the value of angle $y?$ **(ORANGE)**

 **
3.** If all the three sides of one triangle are congruent (equal in measures) to all the corresponding three sides of another triangle, then the two triangles are said to be \_\_\_\_\_\_\_\_\_\_. **(YELLOW)

4.** The two triangles shown in below figure are congruent by \_\_\_\_\_\_\_ postulate. **(ORANGE)

 

5.** The triangles in figure below are congruent by \_\_\_\_\_\_\_\_\_\_ postulate. **(ORANGE)

 **

 **6.** What will be the value of $x$ if $∆$ABC $≅$ $∆$DEF? **(SKY BLUE)**

**E**

**D**

**A**

$$2x$$

**8**

**8**

**F**

**B**

**C**

**7.** What will be the value of $r$ if $∆$ABC $≅$ $∆$DEF? **(GREEN)**

**A**

**D**

**E**

**60°**

**10**

**10**

$$3r$$

**C**

**B**

**F**

 **8.** The corresponding sides of the congruent shapes are \_\_\_\_\_\_\_\_\_\_\_. **(ORANGE)**

**9.** An equilateral triangle has \_\_\_\_\_\_\_\_ congruent sides. **(YELLOW)**

|  |  |
| --- | --- |
|  | **Answers:**1. **Size**
2. $108°$
3. **Congruent**
4. **SSS**
5. **SAS**
6. $4$
7. $20°$
8. **Equal**
9. $3$
 |