Thanksgiving Color Match Activity  CONGRUENCE IN RIGHT TRIANGLES

- 15°
- 45°
- 70°
- 10
- 11
- 1
- 4
- 11

Size
Congruent
Leg-Leg
Leg-Leg
Leg-Leg
Leg-Leg
Directions: Answer the questions. Find your answer on the Thanks-Giving Turkey. Then color according to your answers.

1. Two triangles are congruent if they have same shape and __________. (ORANGE)

2. If the hypotenuse and leg of one right triangle is congruent to the hypotenuse and corresponding leg of another triangle, the two triangles are ___________. (RED)

3. What is the value of \( x \) in the figure given below? (PURPLE)

4. What is the value of \( y \) in the figure given below? (YELLOW)

5. What is the value of \( a \) in the figure given below? (BROWN)

6. If the legs of one right triangle are congruent to the corresponding legs of another triangle, the two triangles are congruent by ____________ postulate. (PINK)
7. What is the value of \( b \) in the figure given below? (GREEN)

8. What is the value of \( x \) in the figure given below? (SKY BLUE)

9. What is the value of \( y \) in the figure given below? (LIGHT GREEN)

10. What is the value of \( z \) in the figure given below? (GREY)