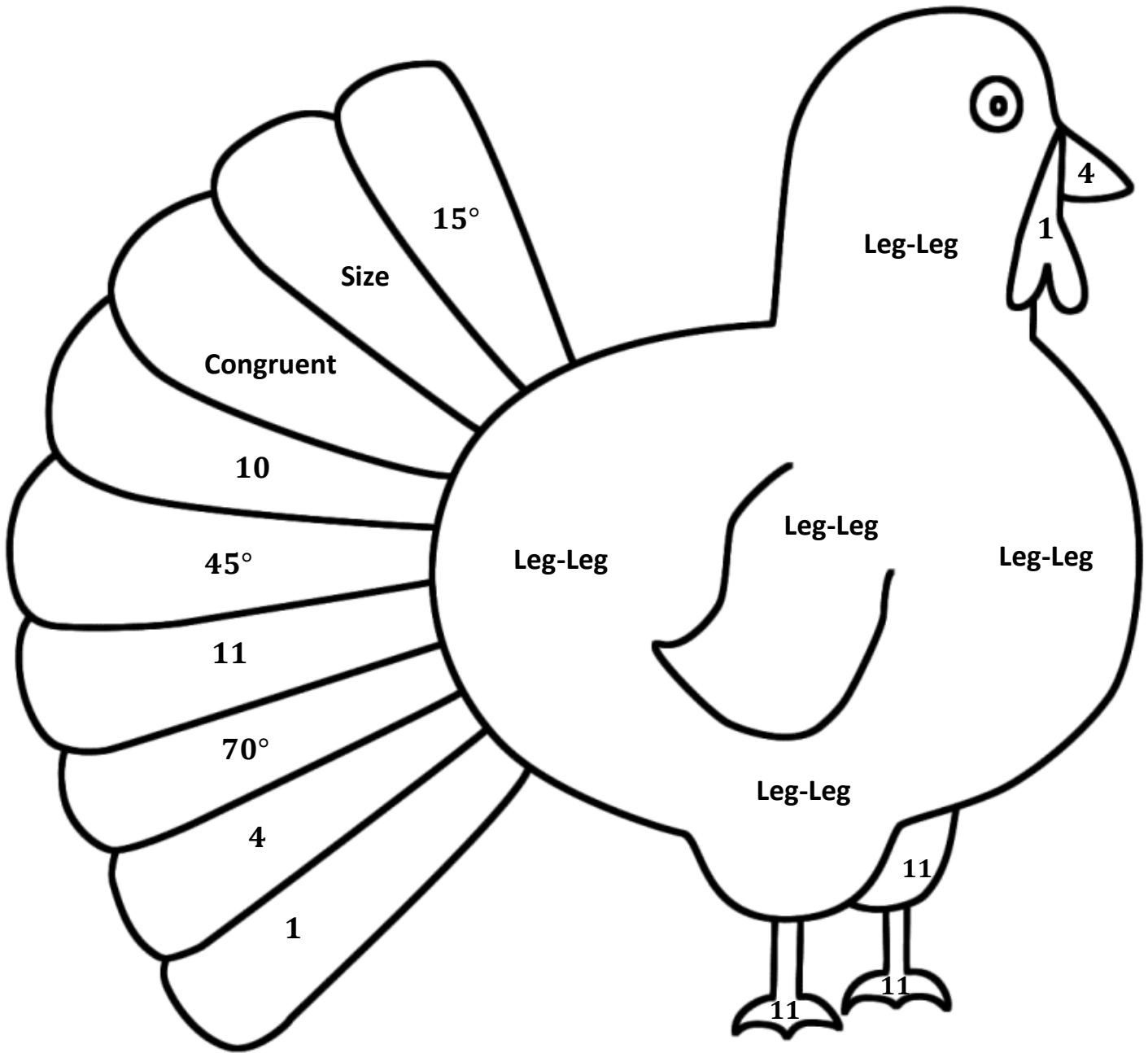


Thanksgiving Color Match Activity CONGRUENCE IN RIGHT TRIANGLES



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)**

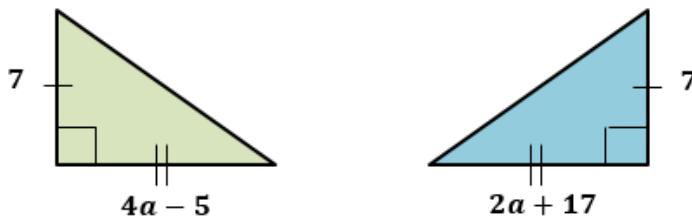
3. What is the value of x in the figure given below? **(PURPLE)**



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)**

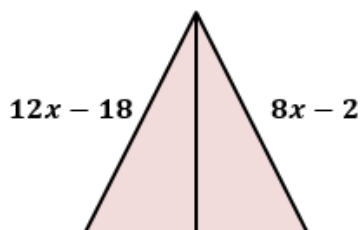


6. If the legs of one right triangle are congruent to the corresponding legs of another triangle, the two triangles are congruent by _____ postulate. **(PINK)**

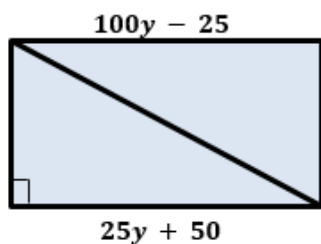
7. What is the value of b in the figure given below? **(GREEN)**



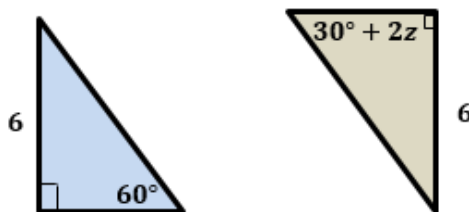
8. What is the value of x in the figure given below? **(SKY BLUE)**

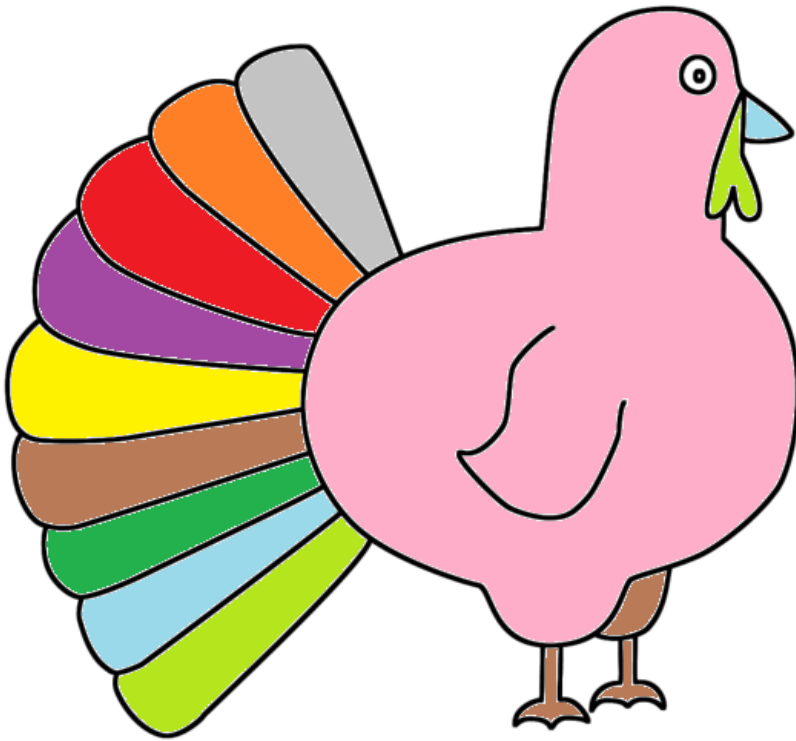


9. What is the value of y in the figure given below? **(LIGHT GREEN)**



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





Answers:

1. Size
2. Congruent
3. 10
4. 45°
5. 11
6. Leg-Leg
7. 70°
8. 4
9. 1
10. 15°