

Ready® Center Activity Answer Key

Activity 5.52

Organize Triangles on a Venn Diagram

★ Check Understanding

No; Possible answer: All triangles are either scalene (no equal sides) or isosceles (at least 2 equal sides). Equilateral (3 equal sides) is a subcategory of isosceles.

Recording Sheet

Scalene: Triangles 1, 3, 4

Isosceles: Triangles 2, 5

Equilateral: Triangle 6

★★ Check Understanding

No; No; Sketches will vary but should show three subcategories that do not overlap—acute, obtuse, and right. Possible answer: All triangles are classified by one, and only one, angle size: acute, obtuse, or right. This means that every triangle will fit into only one of the circles.

Recording Sheet

Scalene: Triangles 1, 3, 4, 6

Isosceles: Triangles 2, 5, 8

Equilateral: Triangle 7

★★★ Check Understanding

Possible answer: The student may have pushed the Scalene and Isosceles categories together so that they overlapped. The label for the overlap would be “Right.” The Equilateral category would not overlap with the Right category.

Recording Sheet

Scalene: Triangles 1, 3, 4, 6

Isosceles: Triangles 2, 5, 8

Equilateral: Triangle 7

1: scalene, obtuse

2: isosceles, right

3: scalene, acute

4: scalene, right

5: isosceles, obtuse

6: scalene, obtuse

7: acute, equilateral

8: isosceles, acute