

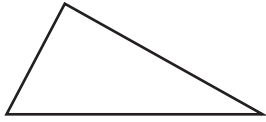
Center Activity Answer Key

Activity 4.56

Drawing for Geometry

★ Check Understanding

Sample answer:



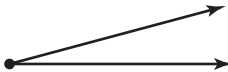
Recording Sheet

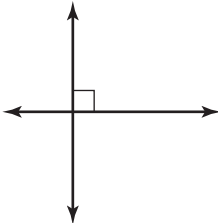
Sample drawings are shown.

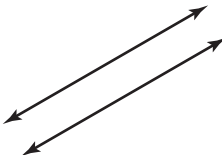
line: 

line segment: 

ray: 

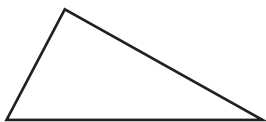
angle: 

perpendicular lines: 

parallel lines: 

★★ Check Understanding

Sample answer:



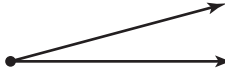
Recording Sheet

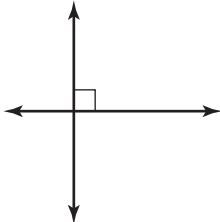
Sample drawings are shown.

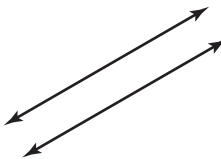
line: 

line segment: 

ray: 

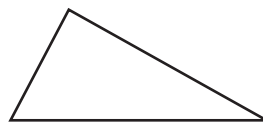
angle: 

perpendicular lines: 

parallel lines: 

★★★ Check Understanding

Sample answer:



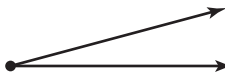
Recording Sheet

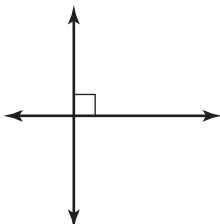
Sample drawings are shown.

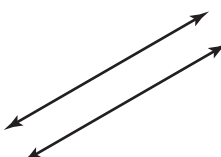
line: 

line segment: 

ray: 

angle: 

perpendicular lines: 

parallel lines: 

Center Activity Answer Key

Activity 4.50

Angles and Circles

★ Check Understanding

360 degrees

Recording Sheet

Row 1: 90 degrees; 60 degrees; 180 degrees

Row 2: 120 degrees; 45 degrees; 72 degrees

★★ Check Understanding

60 degrees

Recording Sheet

Row 1: $\frac{1}{4}, \frac{1}{4}$, 90 degrees

$\frac{2}{3}, \frac{2}{3}$, 240 degrees

$\frac{1}{2}, \frac{1}{2}$, 180 degrees

Row 2: $\frac{1}{3}, \frac{1}{3}$, 120 degrees

$\frac{1}{8}, \frac{1}{8}$, 45 degrees

$\frac{3}{4}, \frac{3}{4}$, 270 degrees

★★★ Check Understanding

225 degrees

Recording Sheet

Row 1: $\frac{1}{4}, \frac{1}{4}$, 90 degrees; $\frac{3}{4}$, 270 degrees

$\frac{2}{3}, \frac{2}{3}$, 240 degrees; $\frac{1}{3}$, 120 degrees

$\frac{1}{2}, \frac{1}{2}$, 180 degrees; $\frac{1}{2}$, 180 degrees

Row 2: $\frac{5}{6}, \frac{5}{6}$, 300 degrees; $\frac{1}{6}$, 60 degrees

$\frac{1}{8}, \frac{1}{8}$, 45 degrees; $\frac{7}{8}$, 315 degrees

$\frac{3}{4}, \frac{3}{4}$, 270 degrees; $\frac{1}{4}$, 90 degrees

Center Activity Answer Key

Activity 4.57

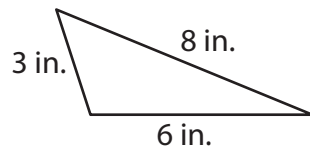
Triangle Vocabulary Match

★ Check Understanding

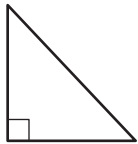
isosceles triangle

Recording Sheet

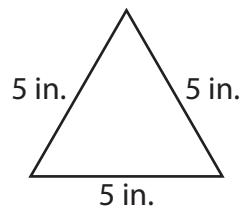
scalene triangle—a triangle with no sides the same length



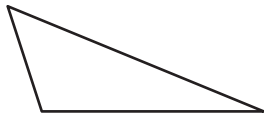
right triangle—a triangle with one right angle



equilateral triangle—a triangle with all three sides the same length



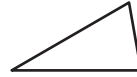
obtuse triangle—a triangle with one obtuse angle



isosceles triangle—a triangle with at least two sides the same length



acute triangle—a triangle with three acute angles

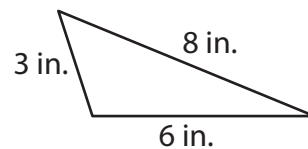


★★ Check Understanding

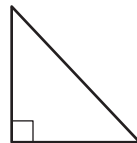
acute isosceles triangle or acute equilateral triangle

Recording Sheet

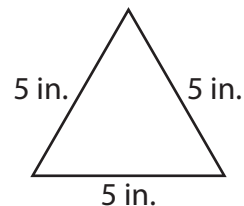
scalene triangle—a triangle with no sides the same length



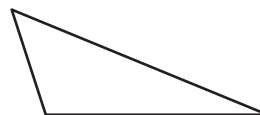
right triangle—a triangle with one right angle



equilateral triangle—a triangle with all three sides the same length



obtuse triangle—a triangle with one obtuse angle

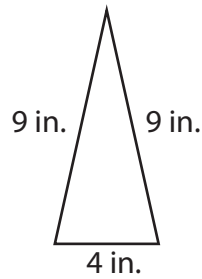


Center Activity Answer Key

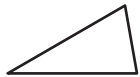
Activity 4.57 (continued)

Triangle Vocabulary Match

isosceles triangle—a triangle with at least two sides the same length



acute triangle—a triangle with three acute angles

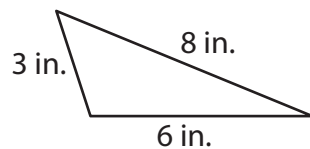


★★★ Check Understanding

acute isosceles triangle or acute equilateral triangle

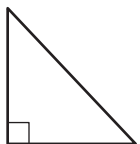
Recording Sheet

scalene triangle—a triangle with no sides the same length



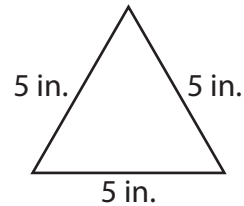
Possible description: The triangle has 2 acute angles and 1 obtuse angle.

right triangle—a triangle with one right angle



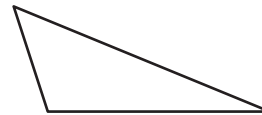
Possible description: The triangle has 2 acute angles.

equilateral triangle—a triangle with all three sides the same length



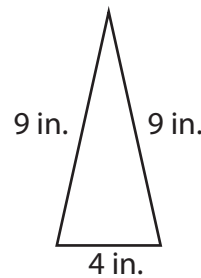
Possible description: The triangle has 3 acute angles.

obtuse triangle—a triangle with one obtuse angle



Possible description: The triangle is scalene.

isosceles triangle—a triangle with at least two sides the same length



Possible description: The triangle has 3 acute angles.

acute triangle—a triangle with three acute angles



Possible description: The triangle is scalene.

Center Activity Answer Key

Activity 4.58

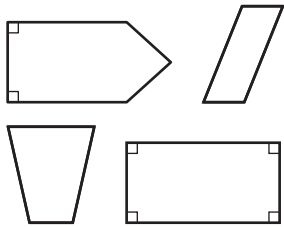
Classifying Shapes

★ Check Understanding

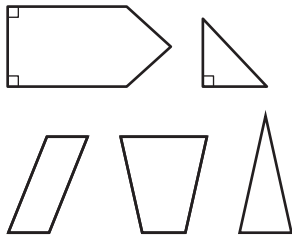
pentagon, parallelogram, trapezoid

Recording Sheet

Shapes with at least one pair of parallel sides



Shapes with at least one acute angle

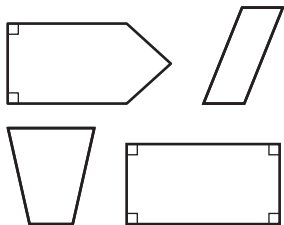


★★ Check Understanding

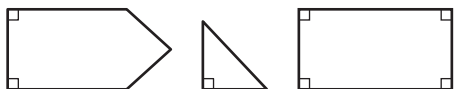
pentagon, parallelogram, trapezoid

Recording Sheet

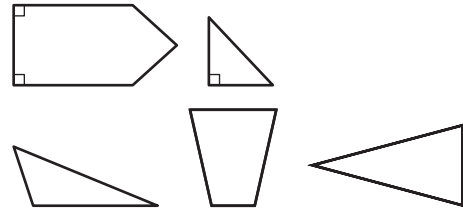
Shapes with at least one pair of parallel sides



Shapes with at least one pair of perpendicular sides



Shapes with at least one acute angle



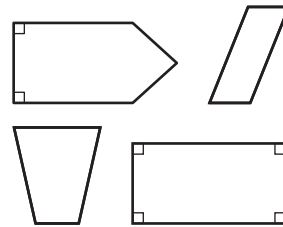
★★★ Check Understanding

pentagon, parallelogram, trapezoid

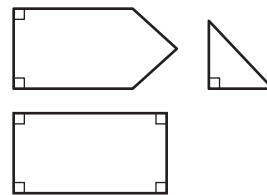
Recording Sheet

Sample categories are given.

Shapes with at least one pair of parallel sides:



Shapes with at least one pair of perpendicular sides:



Shapes with at least one acute angle:

