

SUGGESTED MATERIALS FOR THIS DOMAIN

3	4	5	
✓	✓	✓	Geoboards and geobands (rubber bands)
✓			Straws, toothpicks, pipe cleaners, Popsicle sticks to create quadrilaterals
✓	✓	✓	Paper and pencil for drawing shapes (or individual whiteboards and markers)
	✓		Construction paper die-cut alphabet letters (used to find symmetry)
	✓		Miras or mirrors to show reflections of symmetry
✓	✓		A variety of cut-out paper shapes, including circles, triangles, pentagons, hexagons
✓	✓		Pattern blocks (Reproducible 11)
✓			Scissors
	✓		Tangrams (Reproducible 12)
	✓		<i>The Greedy Triangle</i> by Marilyn Burns

KEY VOCABULARY

3	4	5	
	✓		acute angle an angle smaller than a right angle (less than 90 degrees)
✓	✓		angles two rays (<) that share an endpoint
✓	✓	✓	attributes sides, angles, color, shape, size, girth
		✓	axis (axes = plural) the horizontal number line (x-axis) and the vertical number line (y-axis) on the coordinate plane. Axes are also the lines at the side and bottom of a graph.
	✓	✓	classify put things into groups (classes) based on a property
		✓	congruent equal in size and shape
		✓	coordinate a number in an ordered pair that names the location of a point on the coordinate plane
✓	✓	✓	closed figure a shape that begins and ends at the same point; for example, a triangle
✓	✓	✓	edge sides
	✓		eighth one eighth, one of eight equal parts
✓			equal shares equal sizes, the same amount
✓	✓	✓	figure a closed shape in two or three dimensions

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KEY VOCABULARY

3	4	5	
✓	✓	✓	fraction a part of a whole number
✓	✓	✓	geometry the study of properties, measurement, and relationships of points, lines, angles, surfaces, and solids
		✓	grid a coordinate grid that locates a point by its distance from the intersection of two straight lines
✓	✓	✓	half one of two parts
✓	✓	✓	line the shortest distance between any two points on a plane
		✓	line plot a graph that shows frequency of data along a number line, usually plotted with an x
	✓	✓	horizontal a straight line on a coordinate plane where all points on the line have the same y coordinate
✓	✓	✓	line segment a part of a line that connects two points
	✓		obtuse an angle measuring more than 90 degrees but less than 180 degrees
✓	✓	✓	open figure a shape made up of line segments with at least one line segment that isn't connected to anything at one of its endpoints
		✓	ordered pairs pair of numbers used to locate a point on a coordinate plane; the first number tells how far to move horizontally and the second number tells how far to move vertically
		✓	origin the starting point on a coordinate grid
	✓	✓	parallel two lines in a plane that do not intersect
✓	✓	✓	partition equal dividing
	✓	✓	perpendicular lines that are at right angles (90 degrees) to each other
	✓	✓	plane a flat two-dimensional surface
	✓	✓	plot used to pinpoint where places on a line are located to show data
	✓	✓	point an exact position or location on a plane surface
		✓	prism three-dimensional figure with two congruent and parallel faces that are polygons; the rest of the faces are parallelograms
✓	✓	✓	properties a quality that something has, such as color, size, height, and so on
		✓	quadrant a graph divided into four sections
✓	✓	✓	quarter one of four parts
	✓	✓	ray a line that starts at a point and goes off in a particular direction to infinity
	✓		reflection a mirror image of a geometric figure

KEY VOCABULARY

3	4	5	
✓	✓		regular hexagon a polygon with six equal sides and six equal angles
✓	✓	✓	regular polygon a closed plane figure having three or more sides
	✓	✓	right angle an angle that measures exactly 90 degrees
✓	✓	✓	side a line segment of a many-sided figure
	✓		straight angle an angle that measures exactly 180 degrees
✓	✓	✓	surface area of faces and curved surfaces of a three-dimensional figure
	✓		symmetry an object is symmetrical when one half is a mirror image of the other half.
✓	✓	✓	triangle a three-sided polygon scalene triangle with none of the sides the same length isosceles a triangle with two equal sides; the angles opposite the equal sides are also equal equilateral triangle with three equal sides and three equal angles
✓	✓	✓	two-dimensional shapes shapes with two dimensions: length and width <ul style="list-style-type: none"> • circle • square • triangle • rectangle • hexagon • trapezoid • quadrilateral • rhombus • parallelogram
✓			Venn diagram a graphic organizer for comparison and contrast
✓	✓	✓	vertex/corner point at which two line segments meet to form an angle
	✓	✓	vertical an up/down position