

Growing with Mathematics Grade 4 Topic 1

acute angle An angle that is less than a right angle. An acute angle measures less than 90 degrees.

axis A reference line in a coordinate system. The x-and y-axes are marked in this coordinate system.

centimeter (cm) A metric unit of length equal to one hundredth of one meter ($100 \text{ cm} = 1 \text{ m}$).

foot A unit of length in the customary system of measurement (1 foot = 12 inches)

gallon A unit of capacity in the customary system of measurement (1 gallon = 4 quarts).

graph A pictorial representation of some mathematical relationship.

hexagon A polygon with six sides.

horizontal axis The number line from left to right in a rectangular coordinate system. Also called the the x-axis.

inch symbol (") A symbol used in place of "inch" or "in" to denote length in inches. 6" represents 6 inches.

meter (m) The basic unit of length in the metric system. One meter is a little more than 39 inches.

obtuse angle An angle whose measure is greater than 90 degrees but less than 180 degrees.

octagon A polygon with eight sides.

parallelogram A quadrilateral with opposite sides parallel and equal in length. Opposite angles are equal.

plane shape In geometry, a closed two-dimensional figure that lies entirely in one plane. (Examples are polygons and circles.)

pound (lb) A unit of weight in the customary system of measurement (1 pound = 16 ounces).

right angle An angle that is one-fourth of a full rotation. A right . angle measures 90 degrees.

solid shape In geometry, a closed three-dimensional figure.

square A rectangle with all four sides an equal length.

square foot (ft²) A square foot is equal to the area of a square that measures 1 foot on each'side. Also written as sq ft.

symmetry

a. When one side of a shape is a mirror image of the other side. the shape is said to have line symmetry

b. When a shape can be turned through a fraction of a full rotation and still look the same, it is said to have turning symmetry or rotational symmetry. .

tessellation An arrangement of a plane shape used repeatedly to cover a surface without overlapping or leaving any gaps.

triangle A polygon with three sides.

vertical axis The number line from top to bottom in a rectangular coordinate system. Also called the y-axis.

yard (yd) A unit of length in the customary system of measurement (1 yard = 3 feet or 36 inches).