

## Unit: 3. AREA AND VOLUME

### VOCABULARY

apothem	A segment from the center of a regular polygon perpendicular to a side.
area	A real number that measures the space inside a region.
axis of rotation	A line around which a two-dimensional shape is rotated or revolved to create a three-dimensional shape.
circumference	The distance around a circle.
cone	A solid figure with a circular base and sides tapering to a point.
cubic unit	The unit used to measure volume. It is a cube that measures one linear unit on a side.
cylinder	A solid figure with two congruent parallel circles as bases.
lateral area	The area of the sides of a solid figure.
length of arc	The measure of an arc in linear units.
pi	The ratio of the circumference to the diameter in any circle.
prism	A solid figure with two congruent parallel polygons for bases.
pyramid	A solid figure with one polygon for a base and triangular sides.
region	The space bounded by the sides of a polygon.
sector of a circle	The part of a circle bounded by two radii and an arc.
segment of a circle	The part of a circle bounded by a chord and its arc.

slant height	The length of an altitude of a side of a pyramid.
solid of revolution	The three-dimensional shape that is produced when a two-dimensional shape is rotated or revolved around a line.
square unit	A unit that measures area. It is a square that measures one linear unit on a side.
total area	The sum of the lateral area and the area of the base(s).