area

equilateral triangle

area

2 rows of 5 = 10 square units
or
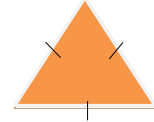**2 x 5 = 10 square units**

equilateral triangle
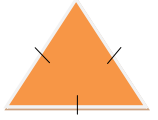
area

2 rows of 5 = 10 square units
or
2 x 5 = 10 square units

The measure, in square units, of the interior region of a 2-dimensional figure or the surface of a 3-dimensional figure.
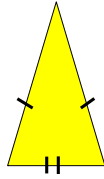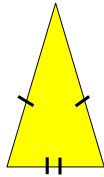
equilateral triangle

A triangle whose sides are all the same length.
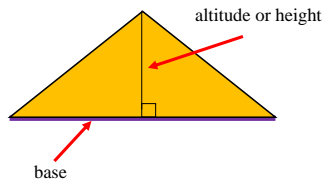
isosceles triangle

isosceles triangle

isosceles triangle

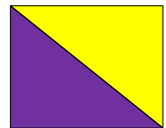A triangle that has at least two congruent sides.
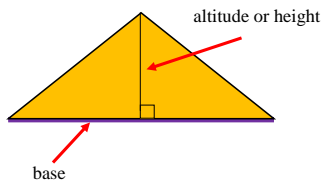
base of a polygon

compose

base of a polygon

altitude or height

base

compose

2 triangles can form a rectangle.
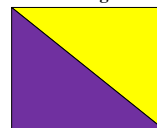
base of a polygon

altitude or height

base

The side of a polygon that is perpendicular to the altitude or height.
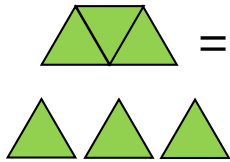
compose

2 triangles can form a rectangle.
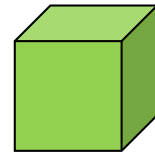
To put together, as in numbers or shapes.

decompose

formula

decompose   =

formula   Volume of a cube is $V = 6s^2$
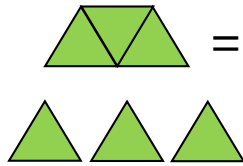
decompose   = To separate into components or basic elements.
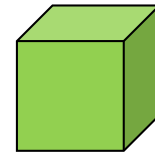
formula   Volume of a cube is $V = 6s^2$ A general mathematical statement or rule.

three-dimensional

whole numbers

three-dimensional

whole numbers **0, 1, 2, 3…**

three-dimensional   3-D. Existing in 3 dimensions; having length, width, and height.

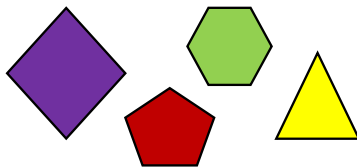**whole numbers** **0, 1, 2, 3…** Any of the numbers 0, 1, 2, 3, 4, 5, and so on.
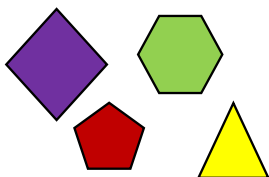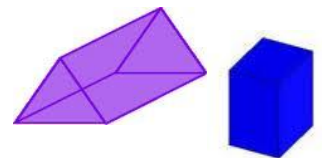
polygon

prism

polygon

prism

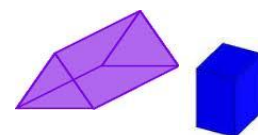**polygon**   A closed figure formed from line segments that meet only at their endpoints.
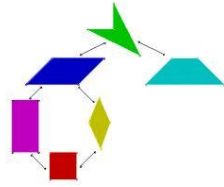
prism   A 3-dimensional figure that has two congruent and parallel faces that are polygons. The remaining faces are parallelograms.
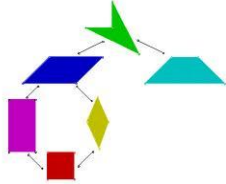
quadrilateral

rectangle

quadrilateral

rectangle

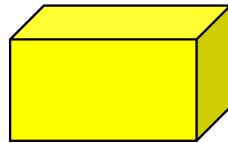**quadrilateral** — A four-sided polygon.

rectangle — A quadrilateral with two pairs of congruent, parallel sides and four right angles.
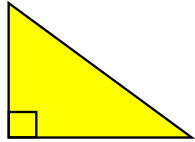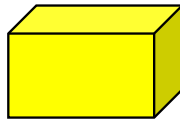
right rectangular prism

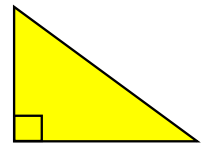# right triangle

right rectangular prism

right triangle

right rectangular prism — A prism with six rectangular faces where the lateral edge is perpendicular to the plane of the base.
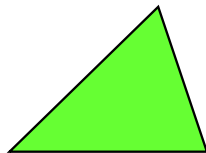
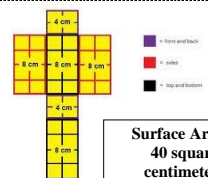**right triangle** — A triangle that has one 90º angle.

scalene triangle
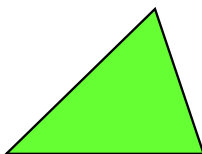
surface area

scalene triangle

surface area

Surface Area = 40 square centimeters

scalene triangle — A triangle that has no congruent sides.

surface area
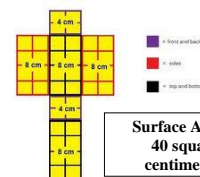
4 cm
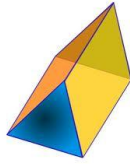8 cm   8 cm   8 cm
front and back
sides
top and bottom
4 cm
8 cm
Surface Area = 40 square centimeters

The total area of the faces (including the bases) and curved surfaces of a solid figure.

triangular prism
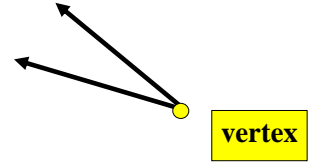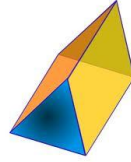
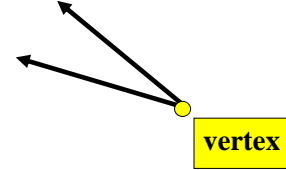## vertex

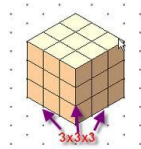|	
triangular prism	
triangular prism	A prism with three rectangular faces and two triangular bases where the lateral edge is perpendicular to the plane of the base.

vertex	**vertex**
vertex	**vertex** The point at which two line segments, lines, or rays meet to form an angle. (plural – vertices)

volume

square-based pyramid
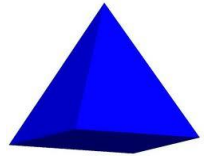
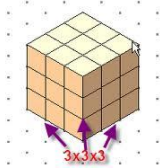|	
volume	**Volume = 27 cubic units** 3x3x3
volume	**Volume = 27 cubic units** 3x3x3 The number of cubic units it takes to fill a figure.
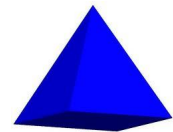
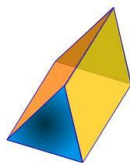|	
square-based pyramid	
square-based pyramid	A polyhedron whose base is a square and whose other faces are triangles that share a common vertex.

triangular prism

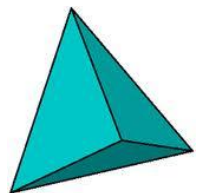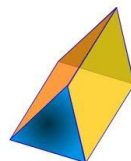# triangular pyramid
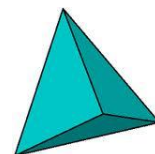
triangular prism	
triangular prism	A prism with three rectangular faces and two triangular bases where the lateral edge is perpendicular to the plane of the base.

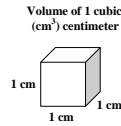|	
triangular pyramid	
triangular pyramid	A pyramid with a triangular base.

unit cube

fractional edge length

unit cube	Volume of 1 cubic (cm³) centimeter 1 cm 1 cm 1 cm

fractional edge length	2 in 1 in 1½ in
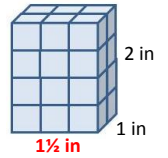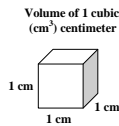
unit cube	Volume of 1 cubic (cm³) centimeter 1 cm 1 cm 1 cm	A precisely fixed quantity used to measure volume.
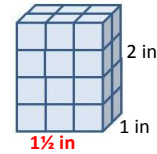
fractional edge length	2 in 1 in 1½ in	The length of each edge of the cube is a fraction.

parallelogram

kite
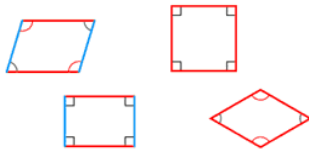
parallelogram	

kite	
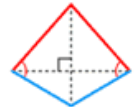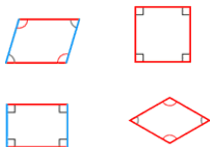
parallelogram		A quadrilateral with both pairs of opposite sides parallel.
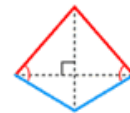
kite		A quadrilateral with two distinct pairs of equal adjacent sides. A kite-shaped figure.

polyhedron

rhombus
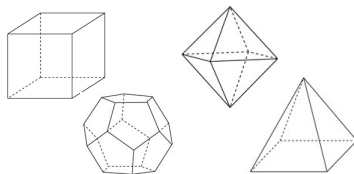
polyhedron	

rhombus	
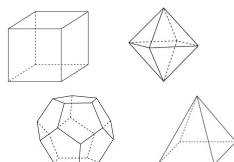
polyhedron		A 3-dimensionnal figure that has polygons as faces.

rhombus		A quadrilateral with all four side equal in length.

trapezoid

edge
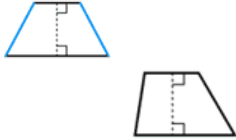
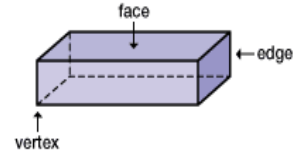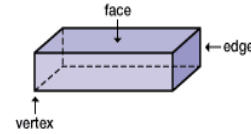| trapezoid		edge	
trapezoid		**edge**	
trapezoid	A quadrilateral which has one pair of parallel sides.	**edge**	The intersection of a pair of faces in a three-dimensional figure.

lateral faces
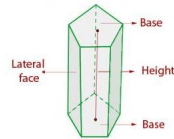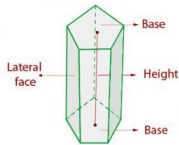
lateral faces	
lateral faces	
lateral faces	In a prism, a face that is **not** a base of the figure.