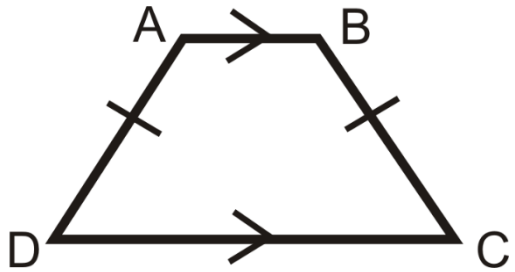
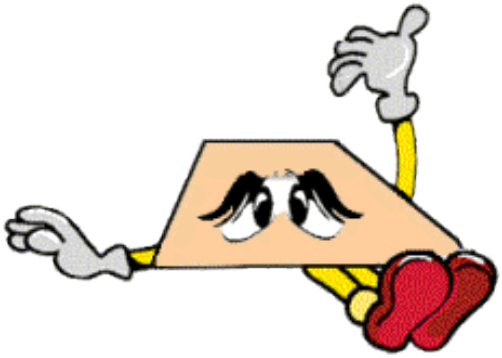
Isosceles Trapezoid

-convex quadrilateral with a line of symmetry bisecting one pair of opposite sides. It is a special case trapezoid.



-A trapezoid in which non-parallel sides and base angles are equal is called as an Isosceles Trapezoid

Theorem: The **median** (or mid-segment) of a trapezoid is parallel to each base and its length is one half the sum of the lengths of the bases. Definition: An isosceles trapezoid is a trapezoid with congruent legs.

Real life example: We pass by windows and buildings that have shapes like, isosceles trapezoid. Another, real life example is a skate park ramp. Skate park ramps have to have equal measures in the angles and legs.