

Unit 10 Facts

Quadrilaterals

Definitions and Properties

Quadrilateral: A 4 sided closed figure

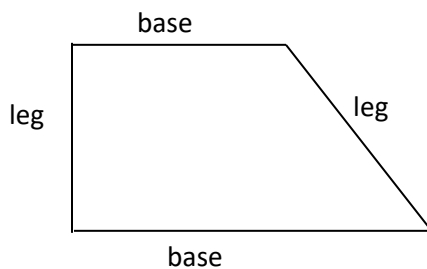
Parallelogram: Quadrilateral with both pairs of opposite sides parallel

Rectangle: Parallelogram with four right angles

Rhombus: Parallelogram with four congruent sides

Square: Parallelogram with four right angles and four congruent sides

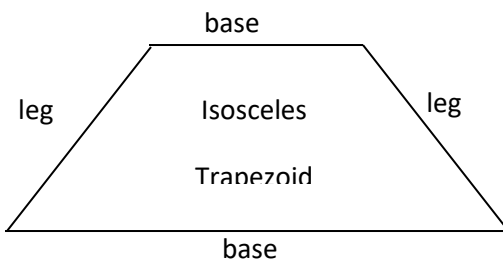
Trapezoid: Quadrilateral with one pair of parallel sides



Leg: Non parallel sides

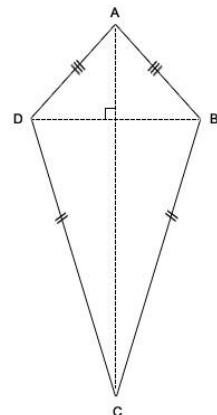
Base: Parallel sides

Isosceles Trapezoid: Legs are congruent

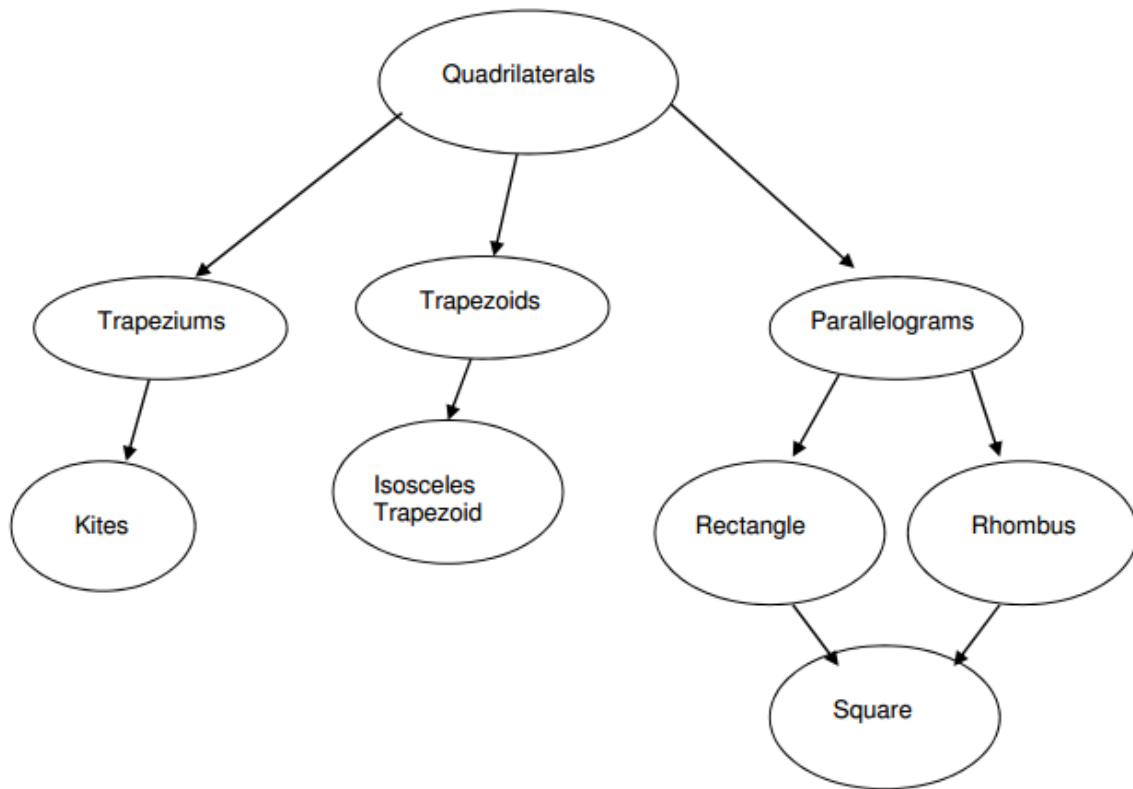


Trapezium: Quadrilateral with no parallel sides

Kite: Trapezium with two distinct pairs of equal adjacent sides.



Quadrilateral Family



Median of a Trapezoid

Median of a Trapezoid: segment joining the midpoints of the legs

1. Parallel to the bases
2. Its measure equals $\frac{1}{2}$ the sum of the bases

