

## Area and Perimeter Formulas

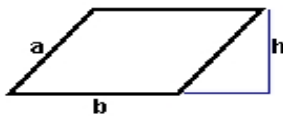


### Rectangle

A Rectangle is a quadrilateral with four equal angles at  $90^\circ$ .

$$\text{Area} = ab$$

$$\text{Perimeter} = 2(a + b)$$

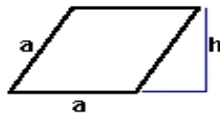


### Parallelogram

A Parallelogram is a quadrilateral with opposite sides parallel.

$$\text{Area} = bh$$

$$\text{Perimeter} = 2(a + b)$$

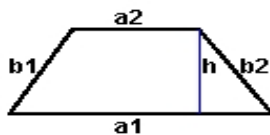


### Rhombus

A Rhombus is a Parallelogram with all sides equal.

$$\text{Area} = ah$$

$$\text{Perimeter} = 4a$$

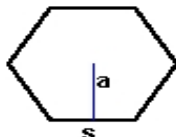


### Trapezoid

A Trapezoid is a Quadrilateral with at least one pair of parallel sides.

$$\text{Area} = \frac{a1 + a2}{2} h$$

$$\text{Perimeter} = a1 + a2 + b1 + b2$$



### Regular n-gon

A Regular Polygon is a polygon for which n sides and angles are equal.

$$\text{Area} = \frac{1}{2} (a n s)$$

$$\text{Perimeter} = n s$$