

Perimeter and Area Equations for 2-Dimensional Figures

Square



$$\text{Area} = s^2$$

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

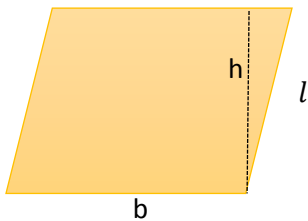
Rectangle



$$\text{Area} = lw$$

$$\text{Perimeter} = 2l + 2w$$

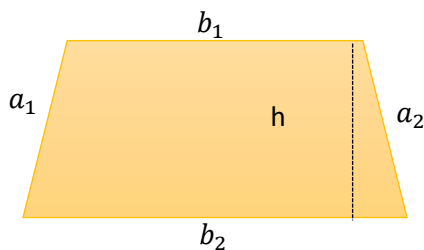
Parallelogram



$$\text{Area} = bh$$

$$\text{Perimeter} = 2b + 2l$$

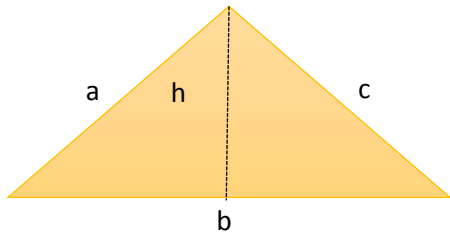
Trapezoid



$$\text{Area} = \frac{1}{2}h(b_1 + b_2)$$

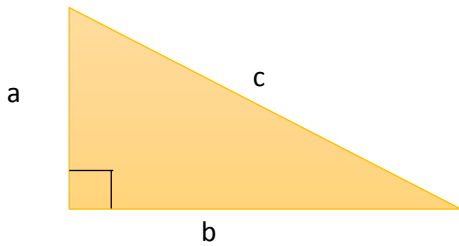
$$\text{Perimeter} = b_1 + b_2 + a_1 + a_2$$

Triangle



$$\text{Area} = \frac{1}{2}bh$$

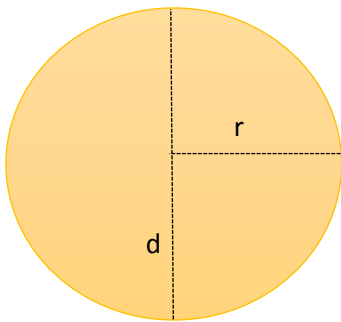
$$\text{Perimeter} = a + b + c$$



$$\text{Area} = \frac{1}{2}ab$$

$$\text{Perimeter} = a + b + c$$

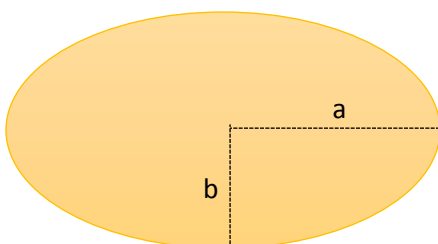
Circle



$$\text{Area} = \pi r^2$$

$$\text{Circumference} = 2\pi r \text{ OR } \pi d$$

Ellipse



$$\text{Area} = \pi ab$$