Area of a Rectangle

$$\text{Area} = l \times w$$

Width (w)

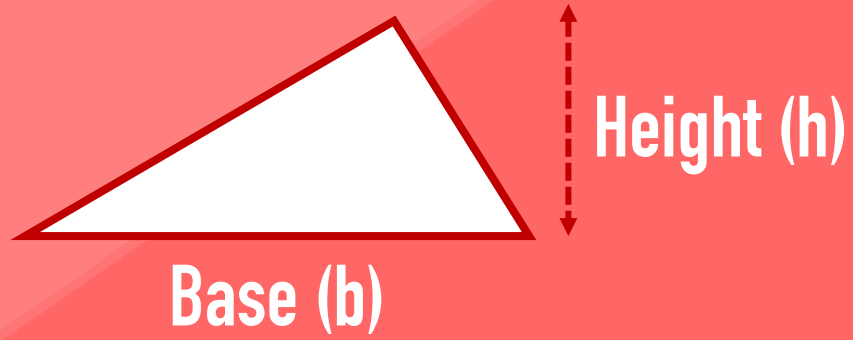
Length (l)

Grade

2

Area of a Triangle

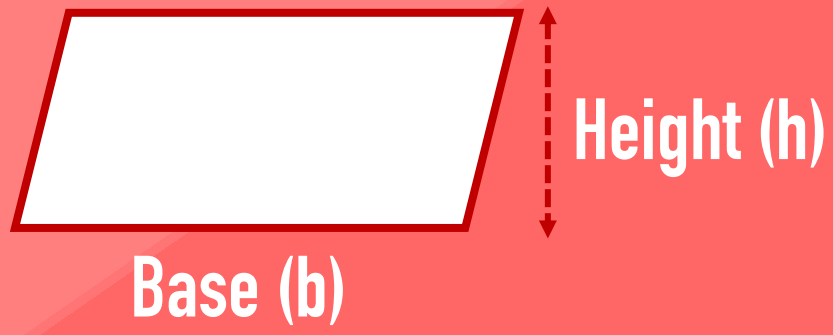
$$\text{Area} = \frac{b \times h}{2}$$



Grade 2

Area of a Parallelogram

$$\text{Area} = b \times h$$

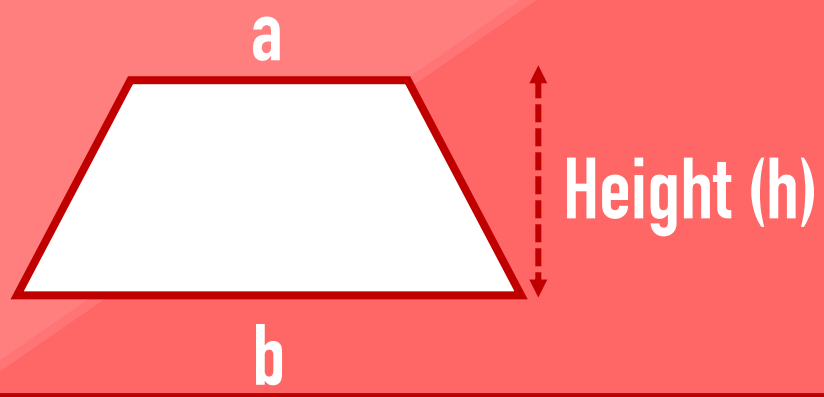


Grade

2

Area of a Trapezium

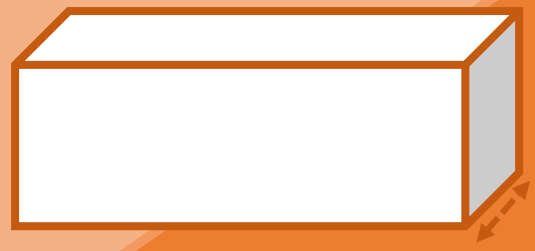
$$\text{Area} = \frac{a + b}{2} \times h$$



Grade 3

Volume of a Cuboid

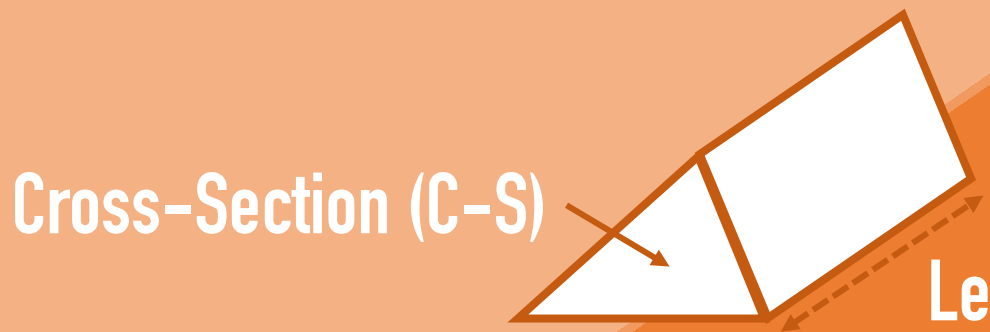
$$\text{Volume} = l \times w \times h$$



Grade 3

Volume of a Prism

Volume = Area of C–S × l

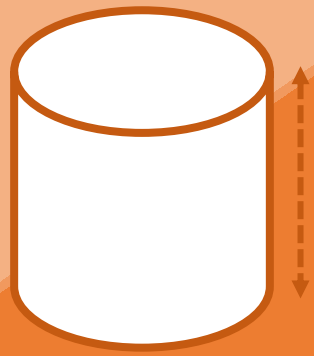


Grade

4

Volume of a Cylinder

$$\text{Volume} = \pi \times r^2 \times h$$

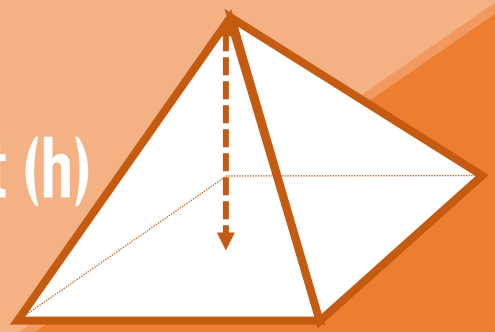


Grade

4

Volume of a Pyramid

$$\text{Volume} = \frac{1}{3} \times \text{Base Area} \times h$$

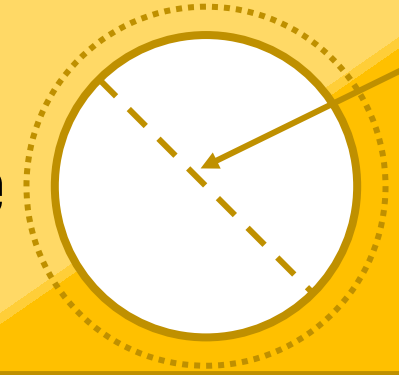


Grade

5

Circumference

$$\text{Circumference} = \pi \times d$$



Grade

3

Area of a Circle

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

Grade

3

Area of a Sector

$$\text{Area} = \frac{\theta}{360} \times \pi \times r^2$$

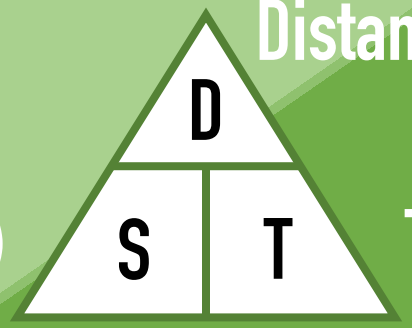
Radius (r)

Grade

5

Speed, Distance & Time

$$\text{Speed} = \frac{\text{Distance}}{\text{Time}}$$

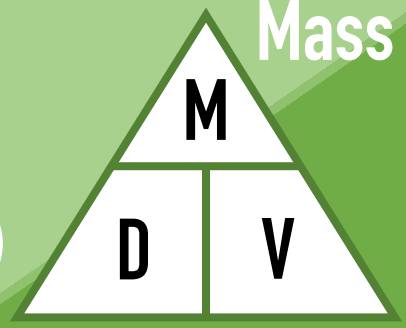


Grade

5

Density, Mass & Volume

$$\text{Density} = \frac{\text{Mass}}{\text{Volume}}$$

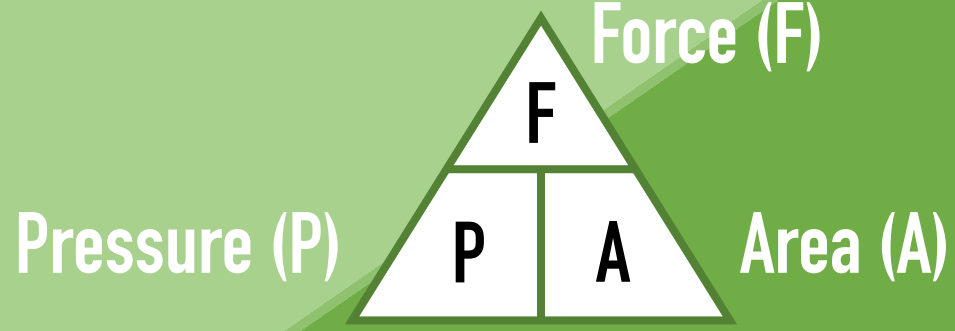


Grade

5

Pressure, Force & Area

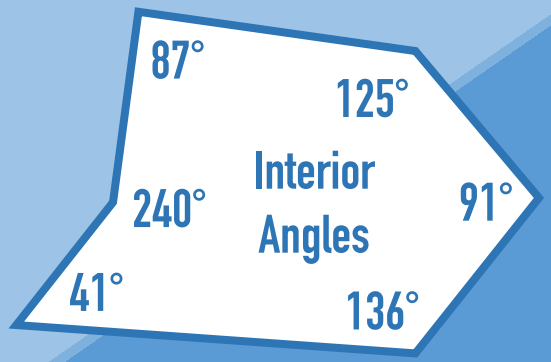
$$\text{Pressure} = \frac{\text{Force}}{\text{Area}}$$



Grade 5

Sum of Interior Angles

$$\text{Sum} = (n-2) \times 180°$$

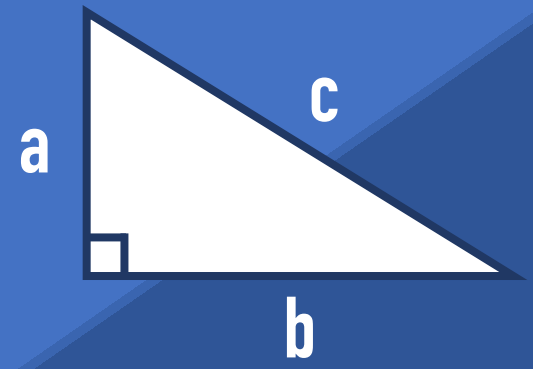


Grade

5

Pythagoras' Theorem

$$a^2 + b^2 = c^2$$

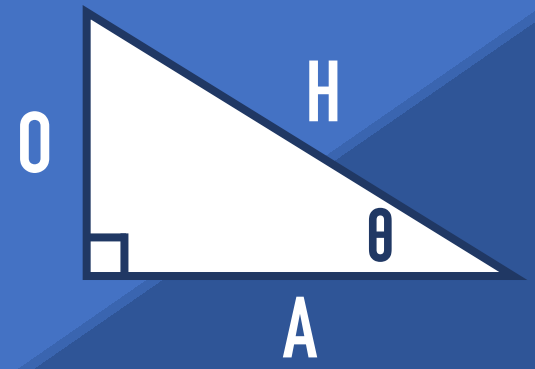


Grade

4

Trigonometric Ratios

$$\sin\theta = \frac{O}{H} \quad \cos\theta = \frac{A}{H} \quad \tan\theta = \frac{O}{A}$$

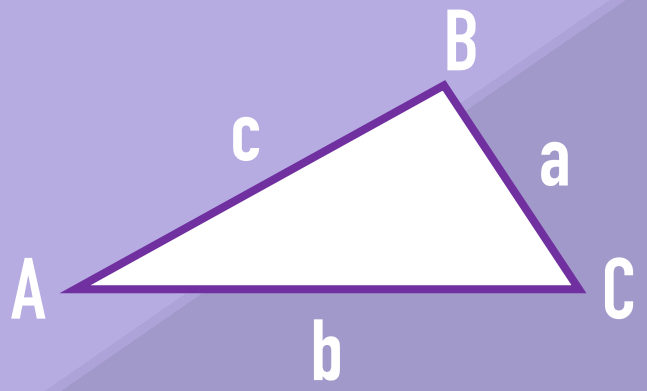


Grade

5

Sine Rule

$$\frac{a}{\sin A} = \frac{b}{\sin B} = \frac{c}{\sin C}$$

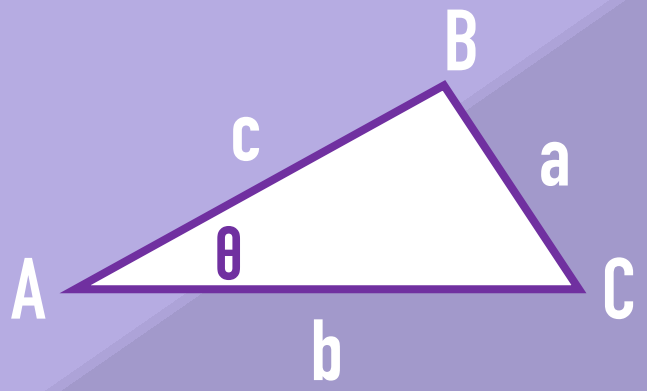


Grade

7

Cosine Rule

$$a^2 = b^2 + c^2 - 2bc \cos A$$

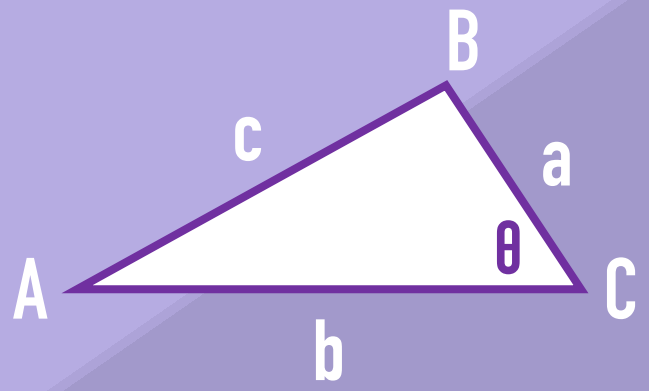


Grade

7

Area of a Triangle

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



Grade

7

Quadratic Formula

$$x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

Solve $ax^2 + bx + c = 0$

Grade

8