


Important Equations in Physics for IGCSE course

General physics:


1. For constant motion

$$V = \frac{s}{t}$$

 'v' is the velocity in m/s, 's' is the distance or displacement in meters and 't' is the time in seconds.

2. For acceleration 'a'


$$a = \frac{v - u}{t}$$

 u is the initial velocity, v is the final velocity and t is the time.

3. Graph


Area of a rectangular shaped graph = base x height

Area of a triangular shaped graph = $\frac{1}{2}$ x base x height

 In velocity-time graph the area under the graph is the total distance covered by an object.

4. Weight and mass

$$W = m \times g$$

 w is the weight in Newton (N), m is the mass in kg and g is acceleration due to gravity = 10 m/s.



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