Speed, Velocity, & Acceleration

Speed

The distance traveled by an object in a given amount of time.



Formula for Speed

```
Speed = Distance / Time
S = D \div T
```

Time is measured in: seconds, min, hours It is graphed on the: x-axis Distance is measured in: centimeters, meters, kilometers

It is graphed on the: y-axis

Speed is expressed in: m/s (meters per second)

Velocity

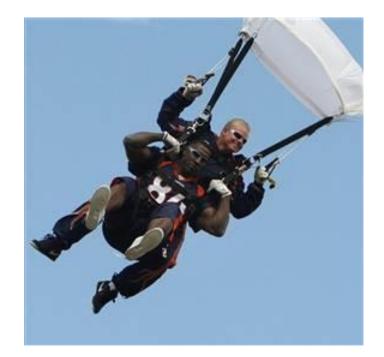
The distance traveled by an object in a given amount of time in a particular direction.

Speed + Direction

Acceleration



The rate at which an object's speed and/or directions changes over time.



Acceleration is expressed

m/s2