
title: Physics 1

layout: default

Physics 1

1. Rearrange the following equation in order to calculate speed.

$$distance = speed \times time$$

2. Use the equation to calculate how far the moon is from the earth Apollo 11 took 4 days and 7 hours to travel from the earth to the moon at an average speed of 3800 km/h.
3. Give the SI unit for the following:
 - (a) time;
 - (b) length;
 - (c) force;
 - (d) speed;
 - (e) pressure;
 - (f) energy;
 - (g) mass;
4. Give typical values in SI units of:
 - (a) the speed of a car
 - (b) the mass of an apple
 - (c) the mass of a car
 - (d) the length of a year
 - (e) the force needed to lift a textbook

5. Name five types of energy.