



1.- Complete these sentences or select the right answer:

A.- Gravity is...

B.- **Weight** is the force of attraction between an object and the \_\_\_\_\_.

C.- An object weights more on **Earth than on the Moon**.  True  False

D.- The relation between distance and the time is called \_\_\_\_\_.

F.- Velocity is the distance divided by the \_\_\_\_\_.

G.- Write the most important units of velocity \_\_\_\_\_ and \_\_\_\_\_.

2.- Answer these questions:

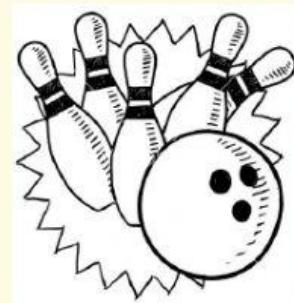
A.- A man wants to calculate the density of a bowling ball.

He puts it on a scales, and it weights 4200 g.

The ball has a volume of 1500 cm<sup>3</sup>.

a.- What is the density of the ball? \_\_\_\_\_ g/cm<sup>3</sup>

$$\text{Density} = \frac{\text{Mass}}{\text{Volume}} = \text{Density} = \text{_____} = \text{g/cm}^3$$



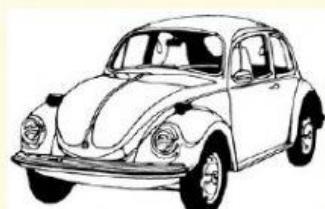
b.- The bowling ball will  float or  sink?

Why?

B.- A car goes from Madrid to Badajoz. The distance is 402,5 km., and the car spends 3,5 hours on the trip.

1.- Calculate the car's velocity:

$$\text{Velocity} = \frac{\text{distance}}{\text{time}} \quad \text{Velocity} = \text{_____} = \text{km/h}$$



C.- A bus goes from Madridejos to Granada. The distance between these two places is 315 km., and the bus spends 3 hours to do the trip.

1.- Calculate the bus' velocity:

$$\text{Velocity} = \frac{\text{distance}}{\text{time}} \quad \text{Velocity} = \text{_____} = \text{km/h}$$

