

**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 \_\_\_\_\_.

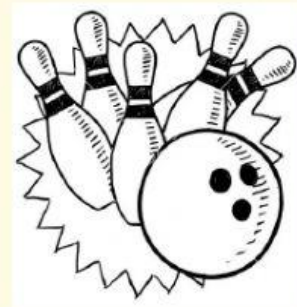
F.- Velocity is the distance divided by the \_\_\_\_\_.

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

**2.- Answer these questions:**

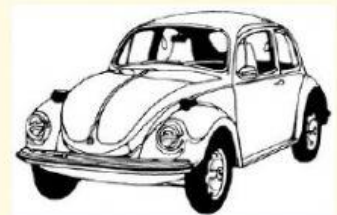
A.- A man wants to calculate the density of a bowling ball.

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>Density =  $\frac{\text{Mass}}{\text{Volume}}$  = Density = \_\_\_\_\_ = g/cm<sup>3</sup>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:

Velocity =  $\frac{\text{distance}}{\text{time}}$  Velocity = \_\_\_\_\_ = 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:

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