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^3.

a.– What is the density of the ball? _____g/cm^3

Density= $\frac{\text{Mass}}{\text{Volume}}$ = *Density* = _____ = *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:

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*

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