

Some Warm-up Exercises

Physics I

College of the Atlantic

1. How many centimeters are in a meter?
2. How many centimeters are in 2.4 meters?
3. How many square centimeters are in 2.4 square meters?
4. Convert 65 miles per hour to meters per second.
5. Lead has a density of 11.3 g/cm^3 . Darron Collins wants to make a lead statue of Buckminster Fuller. So he goes to a lead store and buys a cube of lead that is half a meter on each side. What is the mass of this cube of lead?
6. What is the meaning or interpretation of the number $465/23$?
7. At A&B Naturals 3 pounds of lentils cost 5 dollars. Answer the following questions using plain, everyday language. Try not use the word “per”.
 - (a) In this context, what is the meaning or interpretation of the number $5/3$?
 - (b) In this context, what is the meaning or interpretation of the number $3/5$?
 - (c) How much do 11 pounds of lentils cost?
 - (d) How many pounds of lentils can you get for 11 dollars?