

Planet Holloway **websheet 1.3**

Physics Introduction

You may print this out and write on it or work on your own paper.

Show all work.

1. How many milliliters is $4.2 \times 10^{-3} \mu\text{L}$?
2. How many kilograms are in $5.7 \times 10^{-8} \text{Gg}$?
3. How many centimeters are in $8.3 \times 10^{14} \text{pm}$?

Use significant figures for the following problems.

4. $6.02 \times 10^5 + 2.01 \times 10^3 =$
5. $15.00 \times 0.00000145 =$
6. $187.9 + 0.5 + 1000.008 =$
7. $37.02 \times 1.03 \times 2341.6 =$

Complete all the problems before checking your answers below. And again, show all your work for credit.

Answers:

1. $4.2 \times 10^{-6} \text{mL}$
2. $5.7 \times 10^{-2} \text{kg}$
3. $8.3 \times 10^4 \text{cm}$
4. 6.04×10^5
5. 2.18×10^{-5}
6. 1188.4
7. 8.93×10^4