

Planet Holloway **websheet 1.2**

Physics Introduction

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

Show all work.

1. How many liters is 3.6×10^{-6} mL?
2. How many milligrams are in 5.7×10^3 Gg?
3. How many centimeters are in 2.1×10^4 m?
4. How many milliseconds are in $8.6 \mu\text{s}$?
5. How many megaliters are in $0.54 \times 10^7 \mu\text{L}$?
6. How many micrometers are in 0.64×10^6 Gm?

Use significant figures for the following problems.

7. $3.4 \times 10^4 + 2.345 =$
8. $9.214 \times 6.03 =$
9. $124 + 40.5 + 1000.416 =$
10. $0.008 \times 13 \times 41.6 =$

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

Answers:

- | | |
|---------------------------------------|----------------------|
| 1. 3.6×10^{-9} L | 7. 3.4×10^4 |
| 2. 5.7×10^{15} mg | 8. 55.6 |
| 3. 2.1×10^6 cm | 9. 1165 |
| 4. 8.6×10^{-3} ms | 10. 4 |
| 5. 5.4×10^{-6} ML | |
| 6. 6.4×10^{20} μm | |