

Measurement Worksheet

Fill in the table for some SI units:

| Measurement | Unit | Symbol |
|---------------|---------|--------|
| 1. Length | meter | |
| 2. Mass | | g |
| 3. Volume | | L |
| 4. Temperatue | Celsius | |
| 5. | second | s |

Using the data below to answer questions 6 – 11. Make sure to write the units.

1 meter = 100 centimeters = 1,000 millimeters = 1,000,000 microns
 1 liter = 100 centiliters = 1,000 milliliters
 .001 kilogram = 1 grams = 1,000 milligrams

6. How many centimeters are in three meters? _____
7. How many microns are in a centimeter? _____
8. A line 20 millimeters long is how many centimeters long? _____
9. If a student is one meter tall. What is its height in kilometers? _____
10. If a paperclip's mass is 15 grams. What is its mass in milligrams? _____
11. How many milliliters are in a two liter bottle? _____

Express the following numbers using scientific notation. Keep the SI prefixes the same.

Example: 100 g = 1.0×10^2 g

12. 200,000 L = _____
13. .003 m = _____
14. _____ = 3.4×10^{-5} kg
15. 500,000,000 m = _____
16. .00074 g = _____

Convert the following measurements into their corresponding SI units. Make sure to write the units. Example: 1.0×10^{-2} m = 1 cm

17. 3.0×10^3 g = _____
18. 5.0×10^{-3} m = _____
19. 2.0×10^3 mL = _____
20. 9.0×10^{-6} kg = _____