

Converting Metric Measures

Name the most appropriate metric unit for each measurement.

1. mass of a paperclip _____
2. capacity of a water cooler _____
3. width of a sheet of paper _____

Complete.

- | | |
|------------------------|-----------------------|
| 4. 2.7 m = _____ cm | 5. 1.6 kg = _____ g |
| 6. 9 L = _____ mL | 7. 14 m = _____ mm |
| 8. 1.6 cm = _____ mm | 9. 5,400 g = _____ kg |
| 10. 1,840 mL = _____ L | 11. 32 km = _____ m |

12. **Number Sense** The chemist needs 2,220 mL of potassium chloride to complete an experiment. He has 2 L. Does he have enough to complete the experiment? Explain.

13. A computer floppy disk has a mass of 20 g. How many would you need to have a total mass of 1 kg?

14. A battery is 5 cm long. How many batteries would you need to line up to get 3 m?

15. Which would you do to convert 25 cm to millimeters?

A Divide by 10

C Multiply by 10

B Divide by 100

D Multiply by 100

16. **Writing to Explain** A banana has a mass of 122 g. Explain how to find the mass of the banana in milligrams.
