

Name _____

Metric Review

Fill-in:

1. In science, temperature is measured in degrees _____.
2. The basic SI unit of mass is the _____.
3. The metric system is based on multiples of _____.
4. The prefix kilo- means _____.
5. To determine volume one can use a _____ or the equation _____ X _____ X _____.
6. One thousandth of a meter is a _____.
7. Which is larger, a decagram or a hectogram?
8. The amount of space something occupies is called its _____.
9. A measurement has two parts : _____ and _____.
10. The symbol for the basic unit of volume of liquids is _____.

Convert the following:

- | | |
|-----------------------|------------------------|
| 11. 500 mL = _____ L | 16. 50mm = _____ km |
| 12. 7200 m = _____ km | 17. 6.4 kg = _____ g |
| 13. 400 mg = _____ kg | 18. 0.75 L = _____ mL |
| 14. 30 cm = _____ mm | 19. 0.35 km = _____ m |
| 15. 15 m = _____ mm | 20. 0.156 g = _____ mg |

True-False: Correct the underlined word in all false statements.

21. Weight is a measure of the pull of gravity on an object.
22. Scientists use the English units of measurement.
23. The prefix centi- stands for 100.
24. A graduated cylinder is used to measure mass.
25. The basic unit of length in the metric system is the meter.
26. Volume is the measure of the amount of matter in an object.
27. One kilogram is less than one gram.
28. The prefix deca- has a greater value than deci-.
29. A centimeter is a unit of volume.
30. A cubic centimeter is a unit of volume.

What would be a reasonable unit to use to measure the following?

31. distance from Connecticut to London, England _____
32. length of a classroom _____
33. mass of a bowling ball _____
34. mass of an aspirin tablet _____
35. dropperful of cough syrup _____

Be able to measure with

- metric ruler
- graduated cylinder
- balance
- thermometer