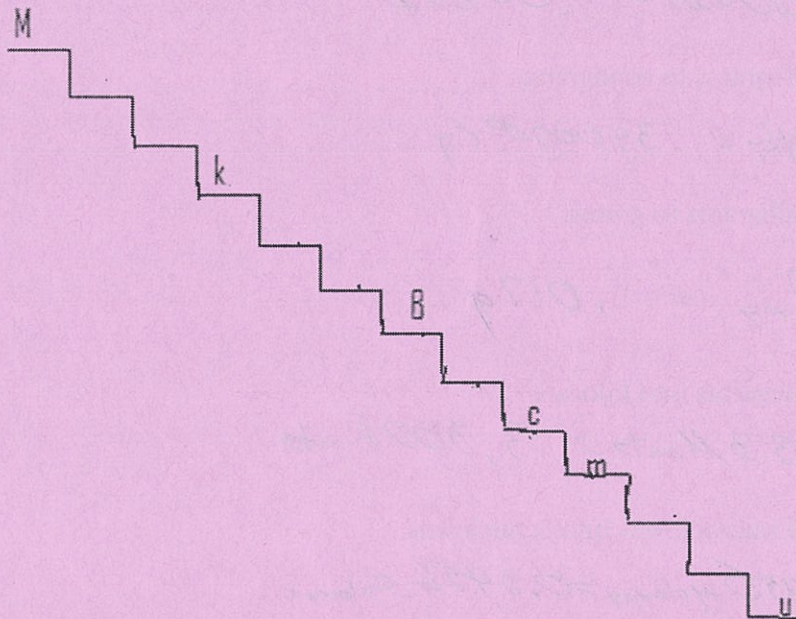


Name: Key

Metric System Worksheet



~~Let's~~
~~over~~

Use the metric ladder above to help you with the following problems.

Base Units: What is the SI base unit for each of the following?

1. Length = meter (m)
2. Mass = gram (g)
3. Volume = liter (L)
4. Time = second (s)

Conversions: Convert each measurement to the unit that is asked for.

5. Convert 24 meters to centimeters.

$$24\text{m} = 2400\text{cm}$$

6. Convert 24 meters to kilometers.

$$24m = .024km$$

7. Convert 2300 microliters to liters.

$$2300\mu l = .0023l$$

8. Convert 34 kilograms to centigrams.

$$34kg = 3400000cg$$

9. Convert 17 milligrams to grams.

$$17mg = .017g$$

10. Convert 3.3 megacats into kilocats.

$$3.3Mcats = 3,300Kcats$$

11. Convert 3456 microclowns into centiclowns.

$$3456\mu clowns = 0.3456cclowns$$

12. How many microliters are there in 5 liters?

$$5l = 5,000\mu l$$

13. It is about 112 km from Bloomington to Indianapolis. How many mm is this?

$$112km = 112000000mm$$

14. Sarah's swimming pool holds 0.00345 Ml of water. How many l does it hold?

$$0.00345Ml = 3450l$$

15. The world long jump record is 8.95m how many cm is this?

$$8.95m = 895cm$$

16. How many mg of rice would there be in a 2.2 kg bag?

$$2.2kg = 2200000mg$$