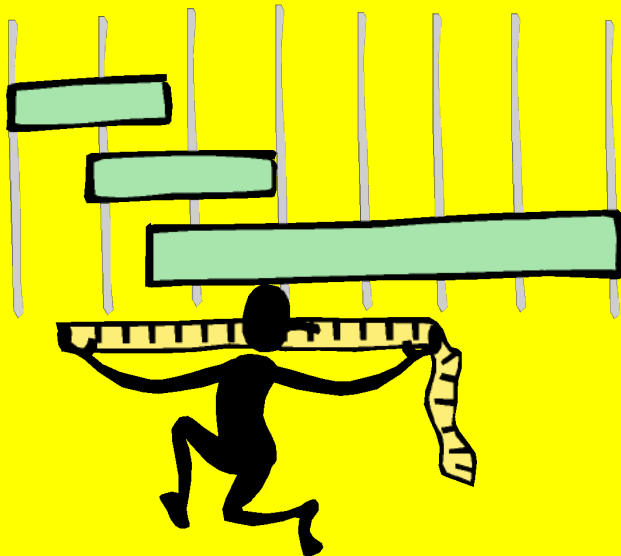
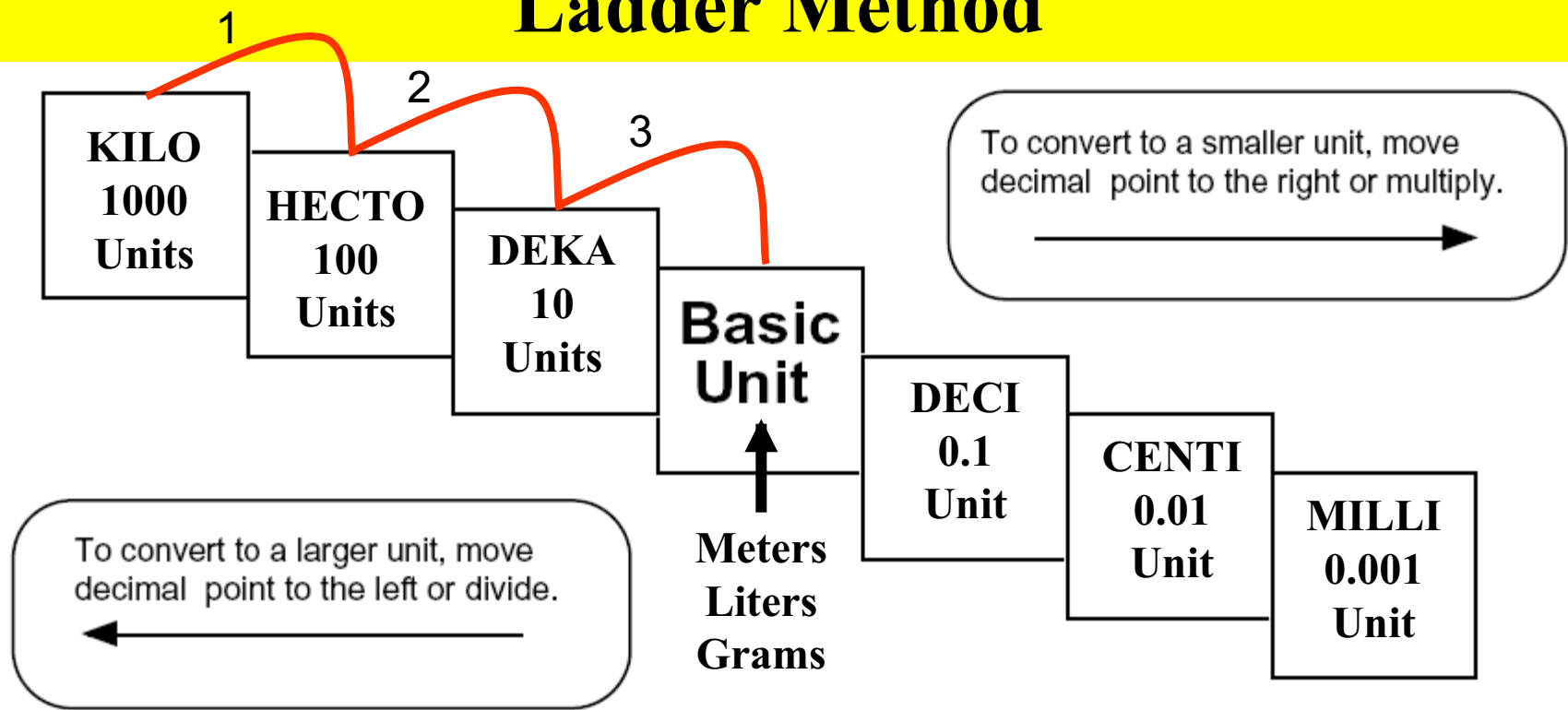


Metric Mania



Metric Conversions Ladder Method

Ladder Method



How do you use the “ladder” method?

1st – Determine your starting point.

2nd – Count the “jumps” to your ending point.

3rd – Move the decimal the same number of jumps in the same direction.

$$4 \text{ km} = \underline{\hspace{2cm}} \text{ m}$$

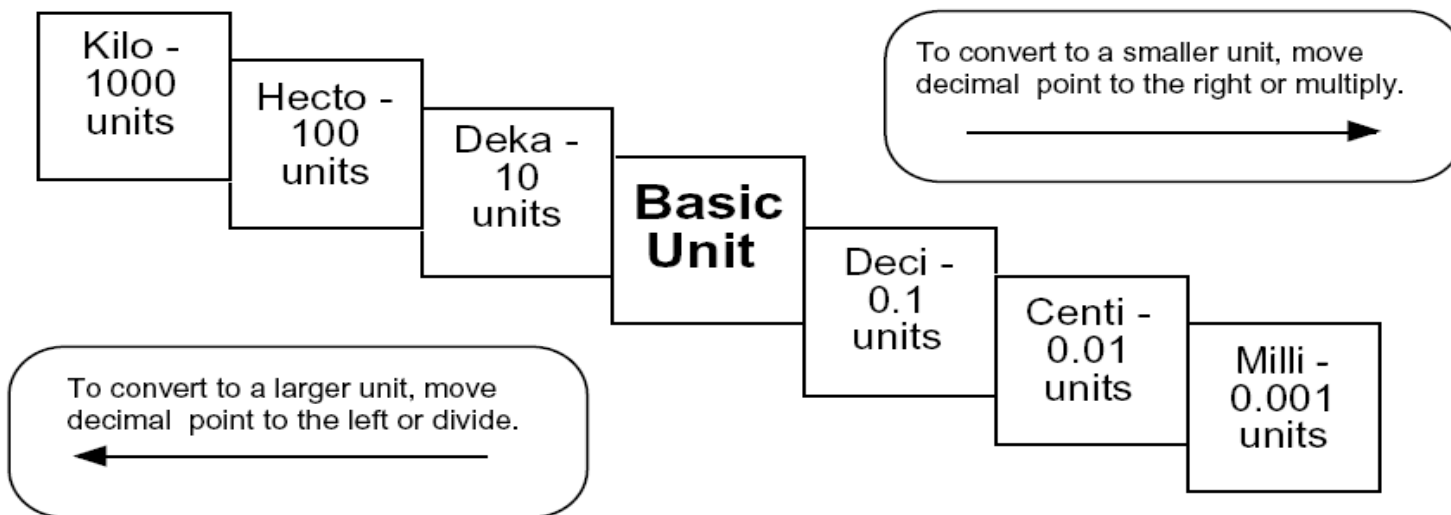
↑ ↑
Starting Point Ending Point

How many jumps does it take?

$$4.\underline{\hspace{0.5cm}}\underline{\hspace{0.5cm}}\underline{\hspace{0.5cm}} = 4000 \text{ m}$$

1 2 3

Conversion Practice



Try these conversions using the ladder method.

$$1000 \text{ mg} = \underline{\hspace{2cm}} \text{ g}$$

$$1 \text{ L} = \underline{\hspace{2cm}} \text{ mL}$$

$$160 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$$

$$14 \text{ km} = \underline{\hspace{2cm}} \text{ m}$$

$$109 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$$

$$250 \text{ m} = \underline{\hspace{2cm}} \text{ km}$$

Compare using $<$, $>$, or $=$.

$$56 \text{ cm} \bigcirc 6 \text{ m}$$

$$7 \text{ g} \bigcirc 698 \text{ mg}$$

Metric Conversion Challenge

Write the correct abbreviation for each metric unit.

1) Kilogram _____

4) Milliliter _____

7) Kilometer _____

2) Meter _____

5) Millimeter _____

8) Centimeter _____

3) Gram _____

6) Liter _____

9) Milligram _____

Try these conversions, using the ladder method.

10) 2000 mg = _____ g

15) 5 L = _____ mL

20) 16 cm = _____ mm

11) 104 km = _____ m

16) 198 g = _____ kg

21) 2500 m = _____ km

12) 480 cm = _____ m

17) 75 mL = _____ L

22) 65 g = _____ mg

13) 5.6 kg = _____ g

18) 50 cm = _____ m

23) 6.3 cm = _____ mm

14) 8 mm = _____ cm

19) 5.6 m = _____ cm

24) 120 mg = _____ g

Compare using <, >, or =.

25) 63 cm 6 m

27) 508 mg

29) 1 0 mL 1.5 L

26) 536 cm 53.6 dm

28) 43 mg 5 g

30) 3.6 m 36 cm