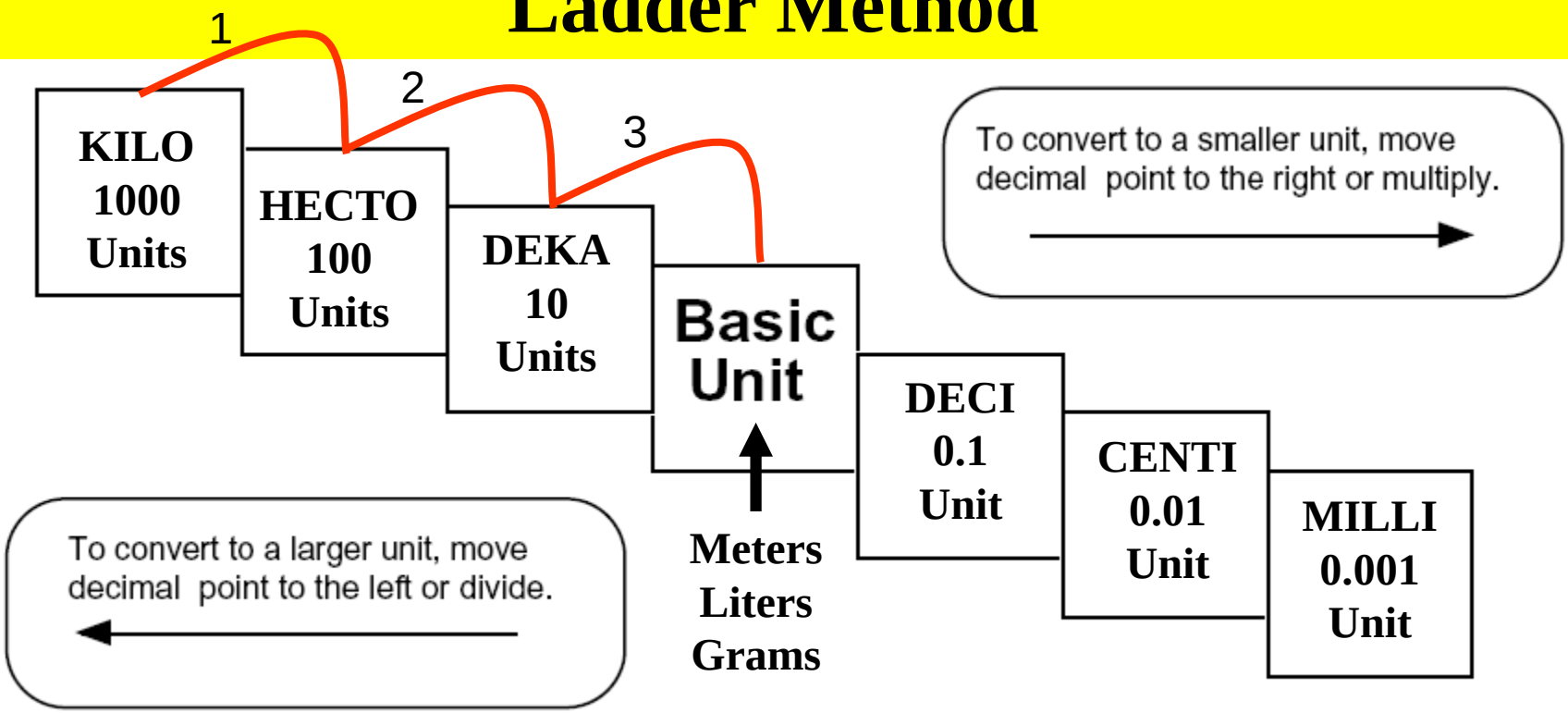
Metric Mania

Metric Conversions
Ladder Method

T. Trimpe 2008 http://sciencespot.net/

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 km = _____ m

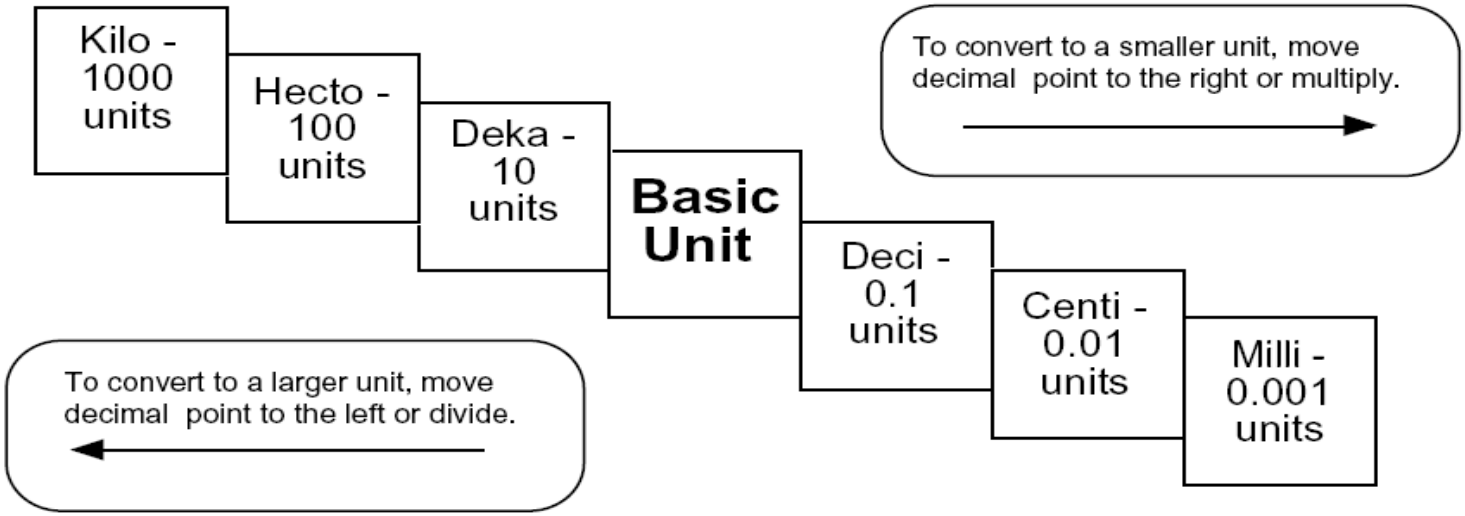
Starting Point Ending Point

How many jumps does it take?

4. _. _. _. = 4000 m

1 2 3

Conversion Practice



Try these conversions using the ladder method.

1000 mg = _____ g

1 L = _____ mL

160 cm = _____ mm

14 km = _____ m

109 g = _____ kg

250 m = _____ km

Compare using <, >, or =.

56 cm ◯ 6 m

7 g ◯ 698 mg

Metric Conversion Challenge

Write the correct abbreviation for each metric unit.

1) Kilogram _____

2) Meter _____

3) Gram _____

4) Milliliter _____

5) Millimeter _____

6) Liter _____

7) Kilometer _____

8) Centimeter _____

9) Milligram _____

Try these conversions, using the ladder method.

10) 2000 mg = _____ g

11) 104 km = _____ m

12) 480 cm = _____ m

13) 5.6 kg = _____ g

14) 8 mm = _____ cm

15) 5 L = _____ mL

16) 198 g = _____ kg

17) 75 mL = _____ L

18) 50 cm = _____ m

19) 5.6 m = _____ cm

20) 16 cm = _____ mm

21) 2500 m = _____ km

22) 65 g = _____ mg

23) 6.3 cm = _____ mm

24) 120 mg = _____ g

Compare using <, >, or =.

25) 63 cm ◯ 6 m

26) 536 cm ◯ 53.6 dm

27) 5 g ◯ 508 mg

28) 43 mg ◯ 5 g

29) 1,500 mL ◯ 1.5 L

30) 3.6 m ◯ 36 cm