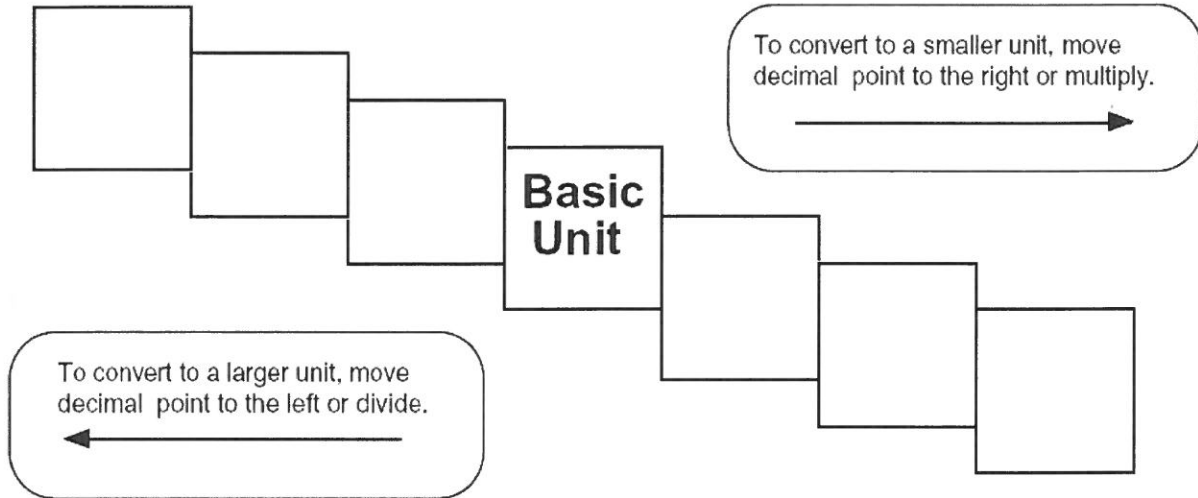


Metric Mania

Metric Conversions

Name _____

Fill in the boxes in the stair step diagram.



Try these conversions using the ladder method.

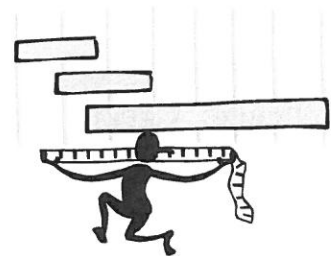
$1000 \text{ mg} = \underline{\hspace{2cm}} \text{ g} \quad 1 \text{ L} = \underline{\hspace{2cm}} \text{ mL} \quad 160 \text{ cm} = \underline{\hspace{2cm}} \text{ mm}$

$14 \text{ km} = \underline{\hspace{2cm}} \text{ m} \quad 109 \text{ g} = \underline{\hspace{2cm}} \text{ kg} \quad 250 \text{ m} = \underline{\hspace{2cm}} \text{ km}$

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

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

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



Metric Mania

Name _____

Metric Conversion Practice

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) 5 g ○ 508 mg | 29) 1,500 mL ○ 1.5 L |
| 26) 536 cm ○ 53.6 dm | 28) 43 mg ○ 5 g | 30) 3.6 m ○ 36 cm |

Challenge: Create three conversion problems for your classmates along with the correct answers.