

EXTRA PRACTICE: Metric Conversions

Name: _____

I. Give the number value for each prefix on the first line AND convert to Scientific Notation on the second line.

hecto → _____ milli → _____

centi → _____ kilo → _____

II. Write the symbols for the following units.

kiloliter → _____ dekameter → _____ deciliter → _____

hectometer → _____ centigram → _____ gram → _____

III. Give the prefix for each number value below.

1,000,000 → _____ 0.1 → _____

10 → _____ 100 → _____

0.001 → _____ 0.01 → _____

IV. Perform the metric conversions using the FACTOR LABELING METHOD!

28 hL = ? ML → _____

681 m = ? dm → _____

375 g = ? dkg → _____

419 dkL = ? mL → _____

1122 m = ? μm → _____

555 hg = ? g → _____

8 kL = ? cL → _____

V. Convert to scientific notation if given expanded (standard) notation. Convert to expanded (standard) notation if given scientific notation.

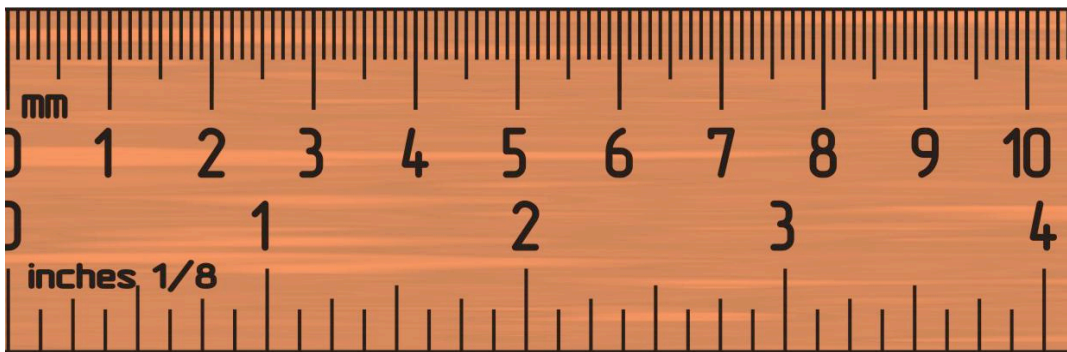
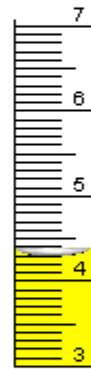
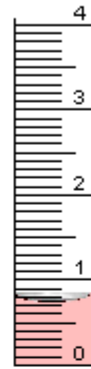
2,960,000 → _____ 3.43×10^4 → _____

0.00005834 → _____ 0.0034×10^5 → _____

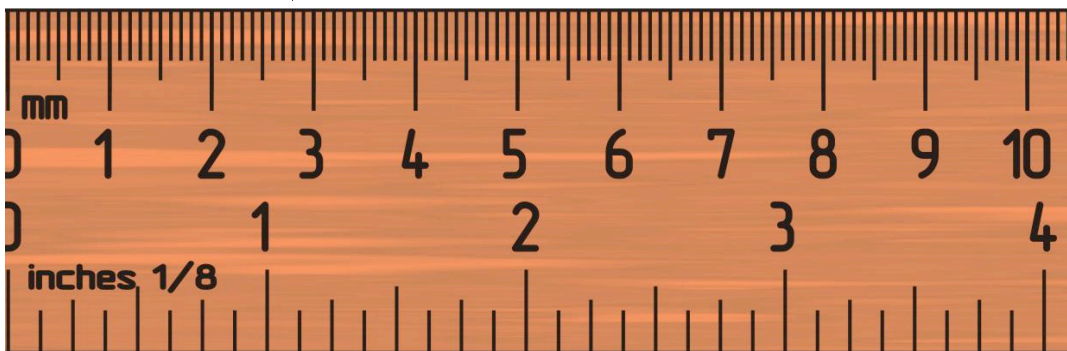
5.335 → _____ 865.3×10^{-6} → _____

VI. Record the following measurements:

What is the reading in milliliters for each graduated cylinder?



_____ cm



_____ cm