

Math 090
Chapter 9: CONVERSION RATIOS
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CONVERSION RATIOS TABLE

	<u>Length</u>	<u>Capacity</u>	<u>Weight</u>
	$12\text{ in} = 1\text{ ft}$	$8\text{ fl oz} = 1\text{ cup}$	$16\text{ oz} = 1\text{ lb}$
	$3\text{ ft} = 1\text{ yd}$	$2\text{ cups} = 1\text{ pt}$	$2000\text{ lb} = 1\text{ ton}$
	$36\text{ in} = 1\text{ yd}$	$2\text{ pts} = 1\text{ qt}$	
	$5280\text{ ft} = 1\text{ mi}$	$4\text{ qt} = 1\text{ gal}$	
	$1760\text{ yd} = 1\text{ mi}$	$32\text{ fl oz} = 1\text{ qt}$	
		$55\text{ gal} = 1\text{ barrel}$	
CHANGE METRIC SYSTEMS	$2.54\text{ cm} = 1\text{ in}$	$1.06\text{ qt} = 1\text{ L}$	$2.2\text{ lb} = 1\text{ Kg}$
	$100\text{ cm} = 1\text{ m}$	$1\text{ cc} = 1\text{ mL}$	$1000\text{ gr} = 1\text{ Kg}$
	$1000\text{ mm} = 1\text{ m}$	$1000\text{ mL} = 1\text{ L}$	$1000\text{ mg} = 1\text{ g}$
	$1000\text{ m} = 1\text{ Km}$	$1,000,000\text{ cc} = 1\text{ m}^3$	
		$27\text{ ft}^3 = 1\text{ yd}^3$	
		$1728\text{ in}^3 = 1\text{ ft}^3$	

- METRIC LENGTH**
 Measurement Inch, foot, yard, mile, meter, centimeter, millimeter, kilometer, light year and others.

METRIC AREA
 What are the units for area?

METRIC CAPACITY (VOLUME)
 What are the units for volume?
 Also, liquid ounces, cups, gallons, quarts, barrels.

METRIC MASS (WEIGHT)
 Ounce, pound (lb), ton, gram, milligram, kilogram

TIME
 Second, minute, hour, day, week, year, generation, century.
- Conversion Ratios **CONVERSION RATIOS** MATH FACTS pg 33 – 34
CONVERSION RATIOS YELLOW REFERENCE SHEET

PREPARE FOR THE QUIZ AT HOME:
 WORKBOOK pages 91 ⇌ 94
 WORKBOOK Practice Quiz #9 pages 95 & 96

It seems like very little to read, but there are infinitely many applications on the section of metric conversions. Anything you do in your future, you will need to use them, so be thorough and make sure you understand the procedure of converting metric units.