

METRIC MEASUREMENT MAKES SENSE

1. What is the metric system and why is it better than the Imperial system (our system)?
2. Complete the metric prefixes in the top row and write their numerical value in the 2nd row. Complete the rest of the chart by converting the following numbers using the prefixes above.

	More than 1 whole base unit			(m L g)	Less than 1 whole base unit		
Prefix	Kilo	H	D	Base Unit	d	c	m
Meaning	1000						
Convert	0.001	0.01	0.1	1	10	100	1000
Convert	5						
Convert						12.02	
Convert	12						
	King	Henry	Drove	by	Drinking	Chocolate	Milk

3. For each of the following **fundamental quantities**, list metric units of measurement, and a measuring tool

Fundamental Quantity	Metric units of measurement	Measuring Tool(s)
Length		
Volume		
Mass		
Time		
Temperature		

4. Convert the following metric measurements: Use the table from part 1 for guidance.

1) 1000 mg = _____ g	2) 3 L = _____ mL	3) 160 cm = _____ mm
4) 14 km = _____ m	5) 1809 g = _____ kg	6) 250 m = _____ km
7) 35 mL = _____ dL	8) 0.5 kg = _____ Dg	9) 6000 mm = _____ Dm

5. Compare the following measurements using <, >, or =.

1. 56 cm ○ 6 m	2. 7 g ○ 698 mg	3. 7500 mL ○ 7 L
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