

## METRIC PREFIXES FOR DIMENSIONAL ANALYSIS

<u>AMOUNT</u>	<u>EXPONENT</u>	<u>PREFIX</u>	<u>SYMBOL</u>
trillion	$10^{12}$	tera	T
100 billion	$10^{11}$		
10 billion	$10^{10}$		
billion	$10^9$	giga	G
100 million	$10^8$		
10 million	$10^7$		
million	$10^6$	mega	M
100,000	$10^5$		
10,000	$10^4$		
1,000	$10^3$	kilo	k
100	$10^2$	hecto	h
0	$10^1$	deka	da
1	$10^0$		
.1	$10^{-1}$	deci	d
.01	$10^{-2}$	centi	c
.001	$10^{-3}$	milli	m
.000,1	$10^{-4}$		
.000,01	$10^{-5}$		
millionth	$10^{-6}$	micro	$\mu$
10 millionth	$10^{-7}$		
100 millionth	$10^{-8}$		
billionth	$10^{-9}$	nano	n
10 billionth	$10^{-10}$		
100 billionth	$10^{-11}$		
trillionth	$10^{-12}$	pico	p

Name \_\_\_\_\_  
Date \_\_\_\_\_ Per \_

Change each measurement into the indicated unit.

1. 56.7 kilometers = meters
  2. 0.901 meters = millimeters
  3. 1.3 kilometers = millimeters
  4. 43.0 millimeters = kilometers
  5. 1.0 liters = milliliters
  6. 47.0 kiloliters = liters
  7. 93.01 decaliters = centiliters
  8. 3.14 centiliters = kiloliters
  9. 97.76 hectameters = millimeters
  10. 1,896.76 kilometers = centimeters
- Extra Credit. 97.4 megameters = meters