

Name: _____ Date: _____ Period: _____

Metric System Conversions

Base Units are: **Meter, Liter & Gram**

Kilo	Hecto	Deca	Base Unit	Deci	Centi	Milli
1000	100	10	1	0.1	0.01	0.001
				1/10	1/100	1/1000

To convert from larger unit to smaller unit, move decimal right \longrightarrow

To convert from a smaller unit to a larger unit, move decimal left \longleftarrow

UNIT	ABBREVIATION	NUMBER OF METERS
kilometer	km	1000
hectometer	hm	100
decameter	dam	10
meter	m	1
decimeter	dm	0.1
centimeter	cm	0.01
millimeter	mm	0.001

Practice

1	1 m =		cm	10	1 m =		hm
2	1 cm =		mm	11	1 mm =		m
3	25 m =		cm	12	72 m =		dam
4	3 km =		cm	13	2.7 km =		m
5	4,500 mm =		m	14	700,000 m =		km
6	579 km =		cm	15	21,893 cm =		km
7	19,847 cm =		dam	16	869 hm =		km
8	596 cm =		mm	17	789 mm =		km
9	895 dm =		dam	18	324 km =		dm