

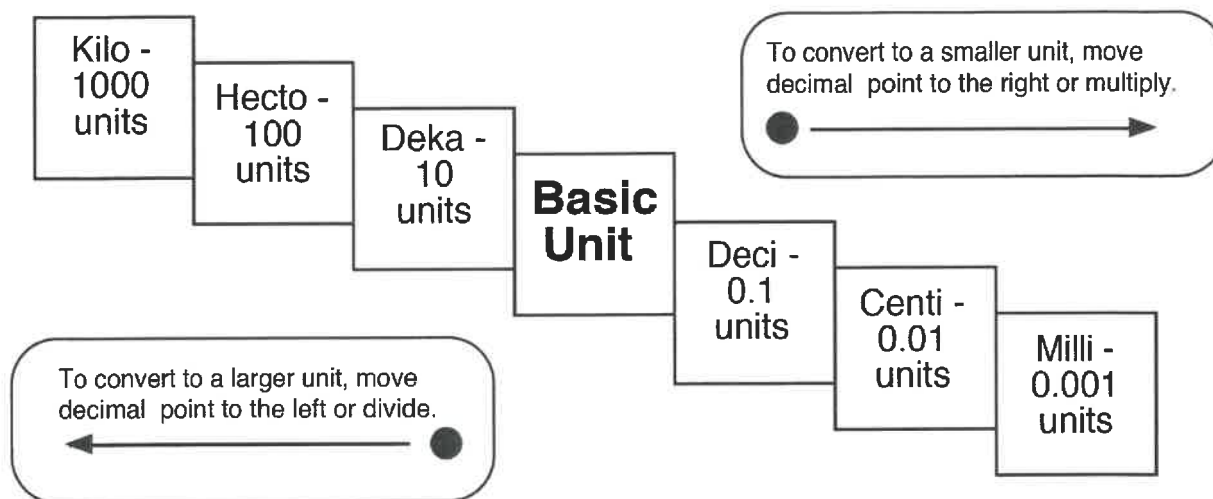
Name:

Math 9

Date:

2.1 SI Measurements

Metric Conversion Chart



Ex. 1 Kg = 1,000,000 mm (multiply by 10 six times or move decimal over to the right 6 places)

Ex. 1500 cm = 15 m (multiply by 1/100 or 0.01 since there is 100 cm per 1 m)

Unit converting to.

	Kilo <i>K</i>	Hecto <i>h</i>	Deka <i>D</i>	BASE	Deci <i>d</i>	Centi <i>c</i>	Milli <i>m</i>
Kilo <i>K</i>	1	10	100	1000	10000	100000	1000000
Hecto <i>H</i>	0.1	1	10	100	1000	10000	100000
Deka <i>D</i>	0.01	0.1	1	10	100	1000	10000
BASE <i>meters (m) liters (l) grams (g)</i>	0.001	0.01	0.1	1	10	100	1000
Deci <i>d</i>	0.0001	0.001	0.01	0.1	1	10	100
Centi <i>c</i>	0.00001	0.0001	0.001	<u>0.01</u>	0.1	1	10
Milli <i>m</i>	0.000001	0.00001	0.0001	0.001	0.01	0.1	1

Starting unit

ex. 25 cm = ? m.

$$25 \text{ cm} \times \underline{\underline{0.01 \text{ m/cm}}} = 0.25 \text{ m.}$$

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2.1 SI Measurements

Ex.

$$120 \text{ cm} = ? \text{ km}$$

$$1.5 \text{ m} = ? \text{ cm}$$

$$6 \text{ cm} = ? \text{ mm}$$

$$0.5 \text{ m} = ? \text{ cm}$$

$$47 \text{ mm} = ? \text{ m}$$

$$1.7 \text{ km} = ? \text{ m}$$

Assignment: page 44 # 3, 4, 6, 7, 11