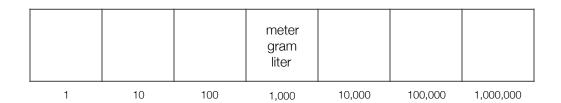
Name	9:	Foundations
	Period:	Earth Science
	Packet: Measurement	
CLAS	S NOTES	
•	Measurement	
	Must include a number and a unit	
•	US Customary Measure - system of measure used in the US that uses and for units	,,
•	Metric System - international decimal system for measure that uses meters are	ime and liters for units

- Metric System international decimal system for measure that uses meters, grams and liters for units
  - Prefixes of the metric system are based on powers of 10
  - Each step is either 10 times larger or ten times smaller



When using the Metric System for all conversions, each "step" you move is either 1 decimal point to the right or one decimal point to the left

## Packet: Measurement

_5.191	1	
•	Instrument:	
•	Units:	
Mass -	-	
•	Instrument:	
•	Units:	
•	Rounding:	
Weigh <sup>.</sup>	t	
•	Instrument:	
•	Units:	
Displac		cupies is displaced when an object is submerged
Displace Measu	cement - the volume of fluid that i ring Volume	is displaced when an object is submerged
Displace Measu	cement - the volume of fluid that i ring Volume Instrument:	s displaced when an object is submerged
Displace Measu  •	cement - the volume of fluid that i ring Volume Instrument: Units:	s displaced when an object is submerged
Displace Measure  Calculation	cement - the volume of fluid that i ring Volume Instrument: Units: ating Volume	s displaced when an object is submerged
Displace Measu  •	cement - the volume of fluid that in the ring Volume Instrument: Units:  ating Volume Formula: V = I × w × h	s displaced when an object is submerged
Displace Measure  Calculation	cement - the volume of fluid that in ring Volume Instrument: Units:  ating Volume Formula: V = I × w × h Units:	s displaced when an object is submerged
Displace Measure  Calculation	cement - the volume of fluid that in the ring Volume Instrument: Units:  ating Volume Formula: V = I × w × h	s displaced when an object is submerged
Displace Measure  Calculate  .	cement - the volume of fluid that in ring Volume Instrument: Units:  ating Volume Formula: V = I × w × h Units:  Rounding:	s displaced when an object is submerged
Displace Measure  Calculate  .	cement - the volume of fluid that in ring Volume Instrument: Units:  ating Volume Formula: V = I × w × h Units:  Rounding:	at present in a substance or object
Displace Measure  Calcula  Tempe	cement - the volume of fluid that in ring Volume Instrument: Units:  ating Volume Formula: V = I × w × h Units:  Rounding:  erature - degree or intensity of head	at present in a substance or object
Displace Measure  Calcula  Tempe	cement - the volume of fluid that in ring Volume Instrument: Units:  ating Volume Formula: V = I × w × h Units:  Rounding:  crature - degree or intensity of head Instrument:	at present in a substance or object
Displace Measure  Calcula  Tempe	cement - the volume of fluid that is ring Volume Instrument: Units: Lating Volume Formula: V = I × w × h Units: Rounding: Lerature - degree or intensity of head Instrument: Units: Units:	at present in a substance or object

## Packet: Measurement

## PRACTICE QUESTIONS: CONVERTING

Directions: To convert from larger units to smaller units move the decimal one "step" to the right and to convert from smaller units to larger units move the decimal one "step" to the left. Use the chart below to help you convert all the sample problems.

kilo	hecto	deca	meter gram deci liter		centi	milli
0.001	0.01	0.1	1	10	100	1,000

1 m	=	_cm	345 cm	=	 mm
1 cm	=	_mm	90.5 cm	=	 mm
25 m	=	_cm	1.5 m	=	 cm
3 km	=	_cm	0.7 km	=	 cm
4,500 mm	=	_ m	0.5 mm	=	 m
579 km	=	_cm	0.7 m	=	 cm
19,847 cm	=	_km	8.5 cm	=	 km
596 cm	=	_mm	3,000 mg	=	 . g
895 km	=	_ m	1 mL	=	 L
50 cm	=	_mm	400 mL	=	 L
4 km	=	_cm	0.1 cm	=	 mm
400 mm	=	_ m	24.1 mg	=	 . g