Science Virtual Learning

7th Grade Science Metric Measurement

May 20, 2020

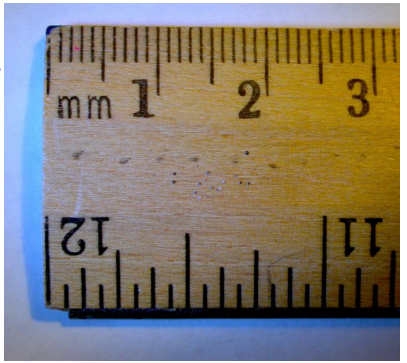
7th Grade Science
Lesson: May 20, 2020

Objective/Learning Target:
I can differentiate and apply the use of metric measurements when completing science investigations.

WARM-UP

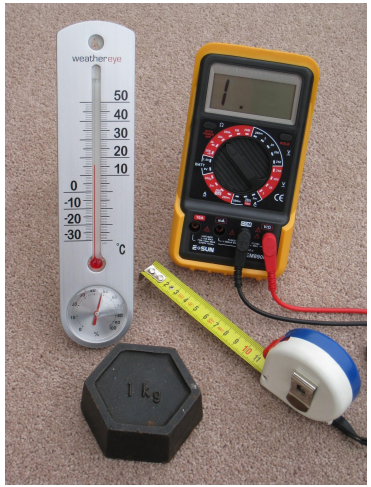
Which of the following are metric units of measure?
Write your answers down on paper.

Inch Gram Mile Liter Pound
Ounce Millimeter Fahrenheit
Kilometer Celsius Foot Meter
Gallon Milliliter Kilogram



WARM-UP

ANSWERS



Inch Gram Mile Liter Pound
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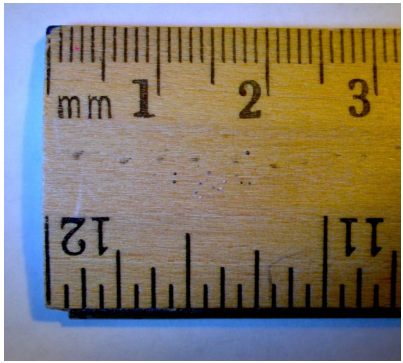
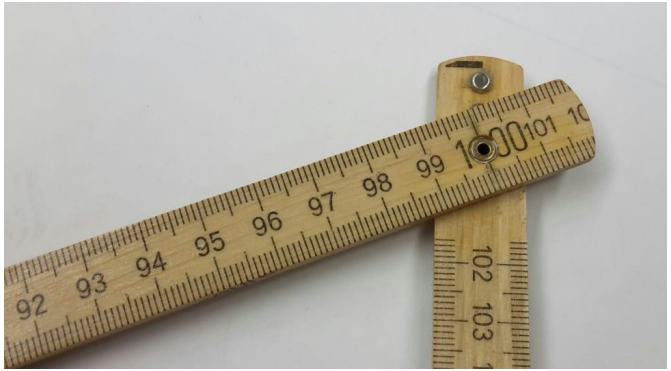


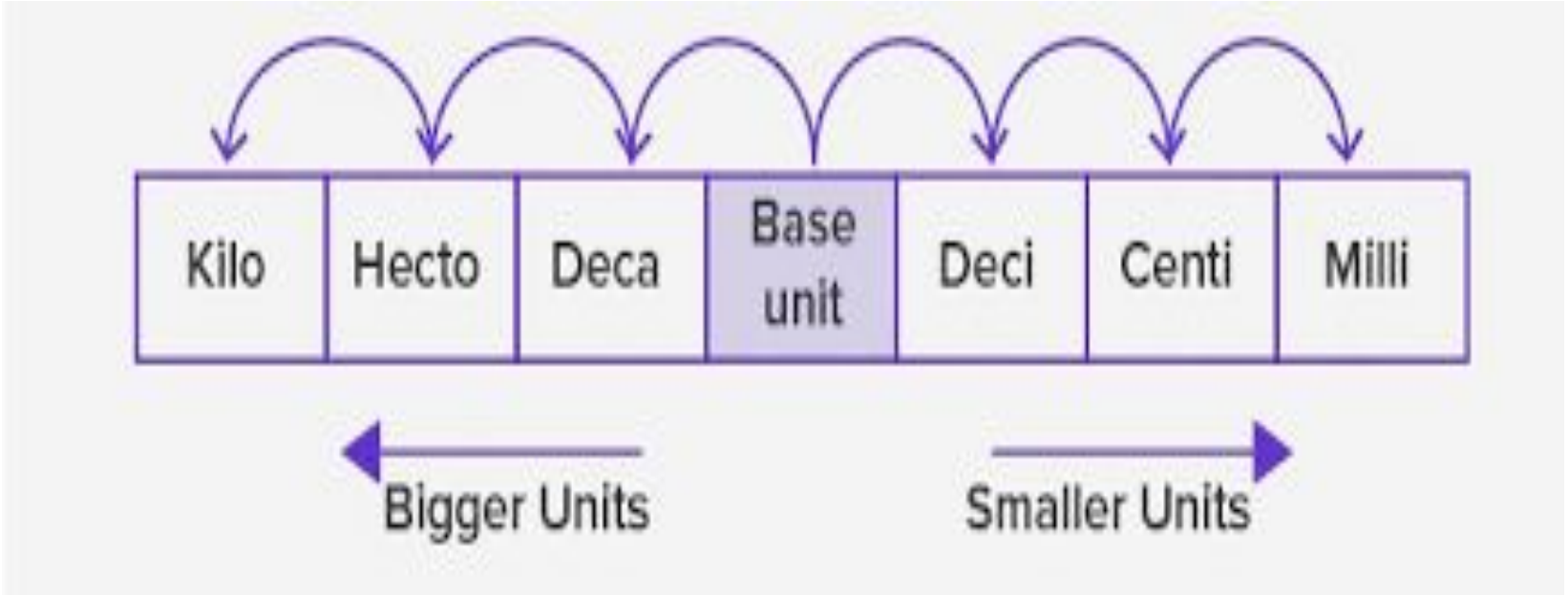
LESSON

Watch the video to review the basic parts of metric measurement. On your paper write the 7 frequently used units of the metric system, largest to smallest (left to right).

[Beginners guide to the Metric System]



Correct Order



LESSON

Draw a 3-column chart on your paper. Use the list of nine words/symbols and place each into the correct column.

Gram Meter Liter

mL cm kg

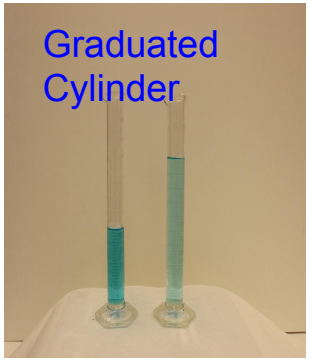
LENGTH	MASS	VOLUME

Correct Answers

LENGTH	MASS	VOLUME
Meter	Gram	Liter
cm	kg	mL
Meter stick	Triple Beam Balance	Graduated Cylinder

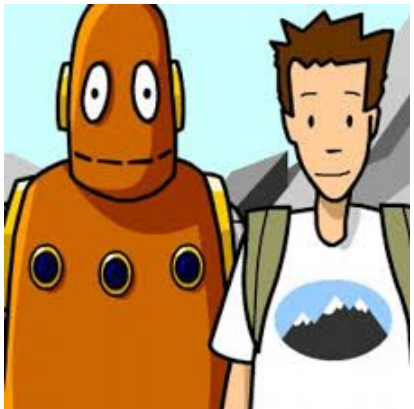
Gram Meter Liter

mL cm kg



BUT WAIT !! THERE'S MORE !!

Here is fun way to remember the correct order of metric units. Add this additional way to help remember the units order on your paper.



Metric Units with Tim & Moby

Now that you have reviewed your metric units/prefixes, copy this table on your paper and fill in the missing terms.

	Hecto	Deka		Deci		Milli
King			Usually		Chocolate	Milk
1,000	100		1	0.1		0.001

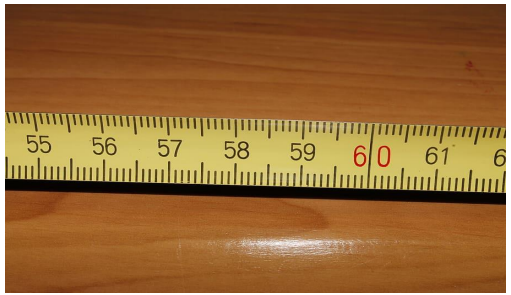
ANSWERS

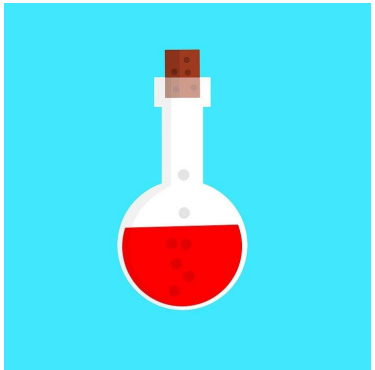
Kilo	Hecto	Deka	Unit	Deci	Centi	Milli
King	Henry	Doesn't	Usually	Drink	Chocolate	Milk
1,000	100	10	1	0.1	0.01	0.001

With all that you have learned, use your knowledge to select the unit of measure “BEST” used to measure the following items

WRITE THE CORRECT UNIT ON YOUR PAPER FOR EACH

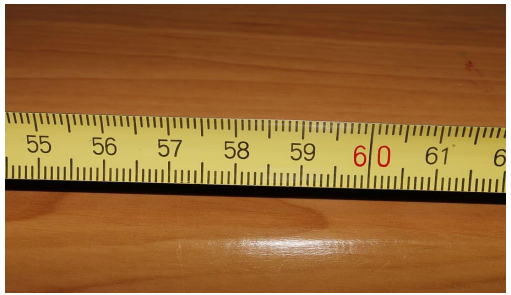
LENGTH (km, m, mm, cm)	MASS (mg, g, km)	VOLUME (mL, L)
Thickness of a dime	Watermelon	School Milk Carton
Length of a pencil	Paper Clip	Bucket of water
Distance to Kansas City	Large Dog	Gas in a car
Length of Guitar	Quarter	Perfume in a bottle





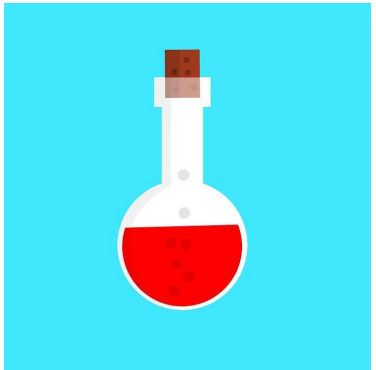
ANSWERS

LENGTH
Thickness of a dime-mm
Length of a pencil-cm
Distance to Kansas City-km
Length of Guitar-meter



MASS
Watermelon-kg
Paper Clip-gram
Large Dog-kg
Aspirin Tablet-mg

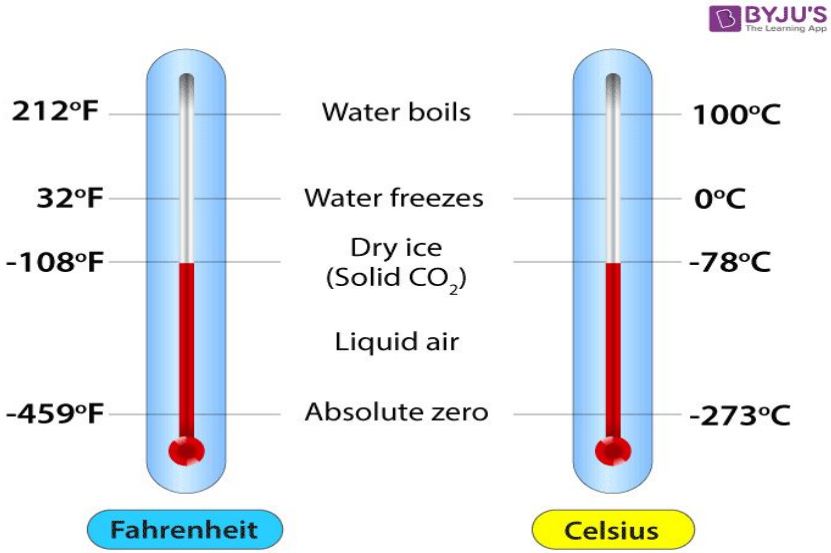
VOLUME
School Milk Carton-mL
Bucket of water-Liter
Gas in a car-Liter
Perfume in a bottle-mL



FINAL THOUGHT

Today we focused on the 3 metric measurements of length/distance, mass and volume.

With regard to temperature, degrees Celsius is used rather than degrees Fahrenheit. Notice the comparison of freezing and boiling points.



JUST FOR FUN

Click on the Game Review below to test your knowledge of science tools and their metric measurement. Scroll down and choose either SNOWBALL FIGHT, HEROIC ANTS, PAPER BIRD, WILD WILD TAXI OR FREE KICK SOCCER.

No need to log in or download, just scroll down and select your game. Have fun!

Science Tool Review