Name: _____

# Converting Metric Measurements

Follow along with the video and take notes.

The Metric System measures length, capacity, and mass using these units:

| | | |
|---|---|---|
| meter | _____ | _____ |

| | | | | | | |
|---|---|---|---|---|---|---|
| King | Henry | Doesn't | Usually | Drink | Chocolate | Milk |
| ____ | HECTO | _____ | UNIT | DECI | _____ | MILLI |

A carton chocolate milk contains 236 milliliters.




a. How much is that in liters?
b. What is the capacity of the same container in hectoliters?

| | | | | | | |
|---|---|---|---|---|---|---|
| King | Henry | Doesn't | Usually | Drink | Chocolate | Milk |
| | | | | 2 | 3 | 6 |

A locker is 45 centimeters wide.



a. What is this measurement in decimeters?
b. What is this measurement in dekameters?

| | | | | | | |
|---|---|---|---|---|---|---|
| King | Henry | Doesn't | Usually | Drink[e] | Chocolate[i] | Milk |
| | | | | 4 | 5 | |

45 centimeters = _____decimeters
45 centimeters = _____dekameters

Sonja needs the total weight of her backpack, water bottle, and sleeping bag to be less than 12 kilograms.
Her backpack weighs 8,500 grams, her water jug is 1.3 kilograms, and her sleeping bag is 30,000 milligrams.
What is the total weight in kg?





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8,500 grams = _____kilograms

| K | H | D | U | $D^e$ | $C^i$ | M |
|---|---|---|---|---|---|---|
| 8 | 5 | 0 | 0 | | | |

30,000 milligrams= _____kilograms

| K | H | D | U | $D^e$ | $C^i$ | M |
|---|---|---|---|---|---|---|
| | | 3 | 0 | 0 | 0 | 0 |

Backpack _____
Sleeping bag _____
Water bottle _____
_____

Total



# Practice

Now you try it!

1. What is the metric unit for capacity?
   a. Liter
   b. Meter
   c. Gram
   d. Celsius

2. Convert 16 centimeter to decimeter.

3. Can you think of another mnemonic for:

| K | H | D | U | D | C | M |
|---|---|---|---|---|---|---|

4. 4,589 dekaliters = _____ milliliters



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