Measuring Up Metric

The Metric System: Using Prefixes With Important Base Units

A tremendous feature of the metric system is that once you learn the three **base units**, you can use the prefixes to **scale** them to whatever you need to measure.

	PREFIX	What it means
These prefixes increase the base units by factors of 10.	KILO-	× 1,000 (1,000 times greater)
	НЕСТО-	× 100 (100 times greater)
	DEKA-	× 10 (10 times greater)
Base units can be used without prefixes.	no prefix	× 1 (standard base without change)
These prefixes decrease the base units by factors of 10.	DECI-	× .1 (10 times smaller)
	CENTI-	× .01 (100 times smaller)
	MILLI-	× .001 (1,000 times smaller)



So let's see if yo	Circle the one that makes the most sense.
	Meters are helpful for measuring the height of a building, a book. a mountain. but centimeters are better for measuring bacteria.
	Kilograms are helpful for measuring the mass of a human, but grams are better for measuring but grams are better for measuring the amount of salt in a recipe.
	Liters are helpful for measuring beverages, but milliliters are better for measuring but milliliters are better for measuring a tank of gasoline. the Atlantic Ocean. cough syrup.