

Kilo	1,000 times the base	kilometer kiloliter kilogram
Hecto	100 times the base	hectometer hectoliter hectogram
Deca	10 times the base	decameter decaliter decagram
Base		meter liter gram
Deci	$\frac{1}{10}$ times the base	decimeter deciliter decigram
Centi	$\frac{1}{100}$ times the base	centimeter centiliter centigram
Milli	$\frac{1}{1,000}$ times the base	millimeter milliliter milligram