

	Metric System	English System	Equivalents
Length (distance)	CENTIMETER 1 centimeter = 10 millimeters 1 decimeter = 10 centimeters 1 meter = 100 centimeters 1 kilometer = 1000 meters	FOOT 1 foot = 12 inches 1 yard = 3 feet 1 mile = 5,280 feet	1 in. = 2.54 cm. 1 ft. = 30.5 cm. 1 meter = 39.37 in 1 km. = 0.62 mile
Weight (mass)	GRAM 1 gram = 1000 milligrams 1 kilogram = 1000 grams	POUND 1 pound = 16 ounces 1 ton = 2,000 pounds	1 lb. = 453.6 gr. 1 kg. = 2.2 lb.
Time	SECOND Same as for English system	SECOND 1 second = $\frac{1}{86,400}$ of average solar day.	Time same for both systems

FIGURE 7-1. Comparison of metric and English systems of measurement.