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## Appendix D: Metric Units

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**International Metric System** (Partial list of frequently used units)

**Linear Measurement Units:** millimeter(mm), centimeter(cm), decimeter(dm), meter(m), kilometer(km)

**(Length, Width, Height, Distance)**

1000 millimeters = 1 meter  
100 centimeters = 1 meter  
10 decimeters = 1 meter  
10 millimeters = 1 centimeter  
10 centimeters = 1 decimeter  
1000 meters = 1 kilometer

**Weight Measurement Units:** milligram(mg), gram(g), kilogram(kg), tonne(t)

1000 milligrams = 1 gram  
1000 grams = 1 kilogram  
1000 kilograms = 1 tonne

**Volume Measurement Units:** milliliter (mL) liter (L) cubic meter(m<sup>3</sup>)

1000 milliliters = 1 liter  
1000 liters = 1 cubic meter

**Some Metric to Customary conversions** (accurate to 3 decimal places)

1 centimeter = 0.394 inches  
1 meter = 3.281 feet  
1 meter = 39.372 inches  
1 kilometer = 0.621 miles

1 kilogram = 35.28 ounces  
1 kilogram = 2.205 pounds

1 liter = 1.057 quarts  
1 liter = 0.264 gallons