

UNIT CONVERSION

Units of Length

1 foot = 12 inches

3 feet = 1 yard

1 mile = 5,280 feet

1 inch = 2.54 centimeters

Units of Volume/Capacity

1 gallon = 4 quarts

1 quart = 2 pints

1 pint = 2 cups

1 cup = 8 ounces

1 gallon = 3.79 liters

Units of Mass

1 pound = 16 ounces

1 ton = 2000 pounds

1 pound = 454 grams

Units of Time

1 year = 12 months

1 year = 52 weeks

1 week = 7 days

1 day = 24 hours

1 hour = 60 minutes

1 minute = 60 seconds

Prefix (symbol)	Scientific Notation	Standard Notation
giga (G)	10^9	1,000,000,000
mega (M)	10^6	1,000,000
kilo (k)	10^3	1,000
base unit	10^0	1
deci (d)	10^{-1}	0.1
centi (c)	10^{-2}	0.01
milli (m)	10^{-3}	0.001

Reminder: Write each conversion factor so the units in the numerator cross out with the units in the denominator.

Convert your teacher's age to seconds.

Convert 8 quarts to ounces.

Convert 500 meters/second to miles/hour

Convert 17 tons to grams.

1000 feet to kilometers
