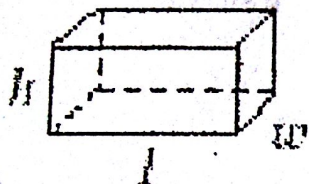


Grade 5 Mathematics Reference Sheet

FORMULAS



Right Rectangular Prism

$$\text{Volume} = lwh$$

$$\text{Volume} = Bh$$

CONVERSIONS

$$1 \text{ centimeter} = 10 \text{ millimeters}$$

$$1 \text{ meter} = 100 \text{ centimeters} = 1,000 \text{ millimeters}$$

$$1 \text{ kilometer} = 1,000 \text{ meters}$$

$$1 \text{ gram} = 1,000 \text{ milligrams}$$

$$1 \text{ kilogram} = 1,000 \text{ grams}$$

$$1 \text{ pound} = 16 \text{ ounces}$$

$$1 \text{ ton} = 2,000 \text{ pounds}$$

$$1 \text{ cup} = 8 \text{ fluid ounces}$$

$$1 \text{ pint} = 2 \text{ cups}$$

$$1 \text{ quart} = 2 \text{ pints}$$

$$1 \text{ gallon} = 4 \text{ quarts}$$

$$1 \text{ liter} = 1,000 \text{ milliliters}$$

$$1 \text{ kiloliter} = 1,000 \text{ liters}$$

$$1 \text{ mile} = 5,280 \text{ feet}$$

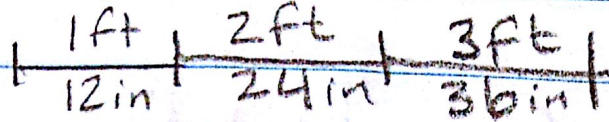
$$1 \text{ mile} = 1,760 \text{ yards}$$

Unit Conversions

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ex 1

$$15 \text{ ft} = 180 \text{ in}$$



$$10 \times 12 = 120 \text{ in}$$
$$5 \times 12 = 60 \text{ in}$$

$$5 \text{ ft} = 60 \text{ in}$$
$$\times 3$$

ex 2

$$3 \text{ tons } 140 \text{ pounds} = \text{_____ pounds}$$

$$\begin{array}{r} 1 \text{ ton} = 2000 \text{ pounds} \\ 2000 \text{ pounds} \\ + 2000 \text{ pounds} \\ \hline 6000 \\ + 140 \\ \hline 6140 \end{array}$$

$$\begin{array}{r} 2000 \text{ pounds} \\ \times 3 \text{ tons} \\ \hline 6000 \\ + 140 \\ \hline 6140 \end{array}$$

6140 pounds

ex 3

$$\text{_____ ounces} = 9 \text{ lbs } 11 \text{ oz}$$

$$1 \text{ lb} = 16 \text{ oz}$$

$$\begin{array}{r} 16 \text{ oz} \\ \times 9 \text{ lbs} \\ \hline \end{array}$$

$$144 \text{ oz} + 11 \text{ oz} = 155 \text{ oz}$$

29

1 mile = 1,760 yards

1.8 miles = _____ yards

642 miles = _____ yards

$$\begin{array}{r} 1760 \text{ yds} \\ \times 1.8 \text{ miles} \\ \hline 14080 \\ 17600 \\ \hline 31680 \end{array}$$

Tanvika

$$\begin{array}{r} 1760 \\ \times 1 \\ \hline 1760 \end{array} \quad \begin{array}{r} 1760 \\ \times .8 \\ \hline 1408 \end{array}$$

✓ + ✓