

Measurements and Ratios

Grade 6 Mathematics Reference Sheet

CONVERSIONS

$1 \text{ inch} = 2.54 \text{ centimeters}$

$1 \text{ meter} = 39.37 \text{ inches}$

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

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

$1 \text{ mile} = 1.609 \text{ kilometers}$

$1 \text{ kilometer} = 0.62 \text{ mile}$

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

$1 \text{ pound} = 0.454 \text{ kilogram}$

$1 \text{ kilogram} = 2.2 \text{ pounds}$

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

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

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

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

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

$1 \text{ gallon} = 3.785 \text{ liters}$

$1 \text{ liter} = 0.264 \text{ gallon}$

$1 \text{ liter} = 1,000 \text{ cubic centimeters}$

Order the following units of measure from **biggest to smallest**.

quart

fluid ounce

pint

gallon

cup

Order the following units of measure from **biggest to smallest**.

gram

pound

kilogram

ounce

ton

Order the following units of measure from **biggest to smallest**.

yard

centimeter

inch

mile

meter

kilometer

millimeter

feet

Convert the following:

$6 \text{ lbs.} = \underline{\hspace{2cm}} \text{ oz.}$

$2.5 \text{ kg.} = \underline{\hspace{2cm}} \text{ lbs.}$

$24,000 \text{ lbs.} = \underline{\hspace{2cm}} \text{ tons}$

$3 \text{ mi.} = \underline{\hspace{2cm}} \text{ yd.}$

$15840 \text{ ft.} = \underline{\hspace{2cm}} \text{ mi.}$

$17 \text{ in.} = \underline{\hspace{2cm}} \text{ cm.}$

$8 \text{ qt.} = \underline{\hspace{2cm}} \text{ gal.}$

$14 \text{ C.} = \underline{\hspace{2cm}} \text{ pt.}$

$32 \text{ fl. oz.} = \underline{\hspace{2cm}} \text{ C.}$

Measurements and Ratios

Grade 6 Mathematics Reference Sheet

CONVERSIONS

1 inch = 2.54 centimeters

1 meter = 39.37 inches

1 mile = 5,280 feet

1 mile = 1,760 yards

1 mile = 1.609 kilometers

1 kilometer = 0.62 mile

1 pound = 16 ounces

1 pound = 0.454 kilogram

1 kilogram = 2.2 pounds

1 ton = 2,000 pounds

1 cup = 8 fluid ounces

1 pint = 2 cups

1 quart = 2 pints

1 gallon = 4 quarts

1 gallon = 3.785 liters

1 liter = 0.264 gallon

1 liter = 1,000 cubic centimeters

Order the following units of measure from **biggest to smallest**.

~~quart~~ fluid ~~ounce~~ ~~pint~~ ~~gallon~~ ~~cup~~
 Gallon Quart Pint Cup Fluid Ounce

Order the following units of measure from **biggest to smallest**.

~~gram~~ ~~pound~~ ~~kilogram~~ ~~ounce~~ ~~ton~~
 Ton Kilogram Pound Ounce Gram

Order the following units of measure from **biggest to smallest**.

~~yard~~ ~~centimeter~~ ~~inch~~ ~~mile~~ ~~meter~~ ~~kilometer~~ ~~millimeter~~ ~~feet~~
 mile Kilometer meter yard feet inch centimeter millimeter

Convert the following:

$\times 6 \left\{ \begin{array}{l} 1 \text{ lb} = 16 \text{ oz} \\ 6 \text{ lbs.} = \underline{96} \text{ oz.} \end{array} \right.$ $\times 2.5 \left\{ \begin{array}{l} 1 \text{ kg} = 2.2 \text{ lb} \\ 2.5 \text{ kg.} = \underline{5.5} \text{ lbs.} \end{array} \right.$ $\times 12 \left\{ \begin{array}{l} 2000 \text{ lbs} = 1 \text{ ton} \\ 24,000 \text{ lbs.} = \underline{12} \text{ tons} \end{array} \right.$

$\times 3 \left\{ \begin{array}{l} 1 \text{ mi} = 1760 \text{ yds} \\ 3 \text{ mi.} = \underline{5280} \text{ yd.} \end{array} \right.$ $\times 3 \left\{ \begin{array}{l} 5280 \text{ ft} = 1 \text{ mi} \\ 15840 \text{ ft.} = \underline{3} \text{ mi.} \end{array} \right.$ $\times 17 \left\{ \begin{array}{l} 1 \text{ in} = 2.54 \text{ cm} \\ 17 \text{ in.} = \underline{43.18} \text{ cm.} \end{array} \right.$

$\times 2 \left\{ \begin{array}{l} 4 \text{ qt} = 1 \text{ gal} \\ 8 \text{ qt.} = \underline{2} \text{ gal.} \end{array} \right.$ $\times 7 \left\{ \begin{array}{l} 2 \text{ C.} = 1 \text{ pt.} \\ 14 \text{ C.} = \underline{7} \text{ pt.} \end{array} \right.$ $\times 4 \left\{ \begin{array}{l} 8 \text{ fl oz} = 1 \text{ C.} \\ 32 \text{ fl. oz.} = \underline{4} \text{ C.} \end{array} \right.$