

Enhanced Math Unit 2 Conversions Study Guide

Vocabulary

Word	Definition	Example
Convert/Conversion		
Units		
Metric		
Liters		
Meters		
Grams		
KHDBdcm		
Customary		
Conversion factor		

Draw the Gallon Man or Gallon Kingdom

Conversions

1. 84 in. = _____ ft
(remember, 1 foot = 12 inches)

2. 64,000 lb = _____ T
(remember, 1 ton = 2,000 pounds)

3. 120 mm = _____ m
(remember, 1000mm = 1m)

4. .523 kg = _____ g
(remember 1000g = 1kg)

Ted jogs 5.7 kilometers every morning before soccer practice. How far does he jog in meters?

Alexis carried 15.28 kilograms of firewood. How much firewood did Alexis carry in milligrams?

True or False

Analyze each comparison statement. Determine if it is true or false. Circle the statements that are true.

$36 \text{ feet} > 9 \text{ yards}$

$1 \text{ mile} < 4,000 \text{ feet}$

$2 \text{ yards} = 6 \text{ feet}$

$28 \text{ inches} > 2 \text{ feet}$

$12 \text{ yards} < 30 \text{ feet}$

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

$2 \text{ liters} = 2,000 \text{ milliliters}$

$2 \text{ centimeters} < 40 \text{ millimeters}$

Word Problems

Use the KHDBdcm charts below to solve the word problems.

Cindy said that her shoe measured 20 centimeters. Meg said that her own shoe measured 0.24 meters. Whose shoe was longer, and how much longer was it? (1m = 100cm)

King (Kilo)	Henry (Hecto)	Died (Deca)	By (meter, liter, gram)	Drinking (deci)	Chocolate (centi)	Milk (milli)

Joaquin walked 2 miles and then another 990 feet. How many yards did Joaquin walk in total? (1 mi. = 5,280 ft., 1 yd. = 3 ft.)

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