

Grade 6 · Converting Measurement Units · Worksheet

Common Core 6.RP.A.3d · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

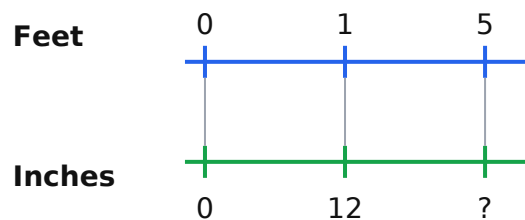
These 10 problems practice converting measurement units with ratio reasoning from standard 6.RP.A.3d. They start with one-step conversions of length, weight, and capacity, then move to metric units and miles.

The last problems chain several conversions in real settings such as a baseball field and a hiking trail. Show each conversion factor you use.

Grade 6 Common Core: 6.RP.A.3d

Problem 1: Feet to inches

Convert 5 feet to inches.



1 foot matches 12 inches.

Problem 2: Inches to feet

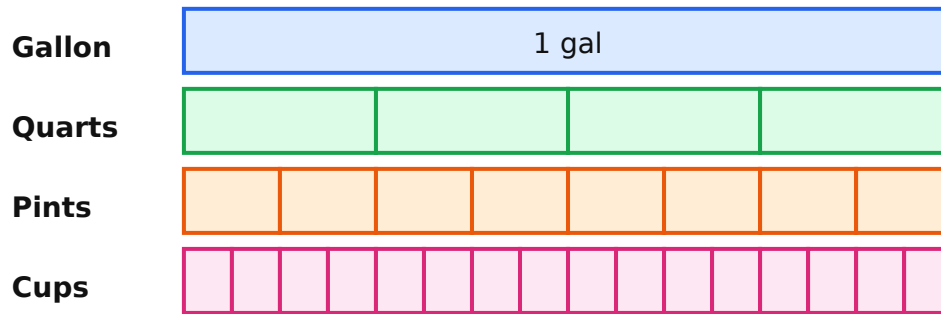
Convert 84 inches to feet.

Problem 3: Pounds to ounces

A bag of apples weighs 4 pounds. Find its weight in ounces.

Problem 4: Gallons to quarts

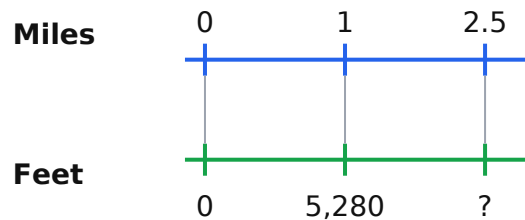
Convert 3 gallons to quarts.



Gallons, quarts, pints, and cups.

Problem 5: Miles to feet

Convert 2.5 miles to feet.



1 mile matches 5,280 feet.

Problem 6: Feet to yards

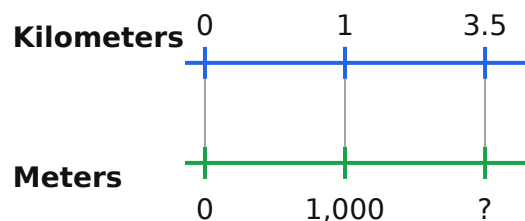
The cheer squad hangs an 18-foot banner on the fence. Convert 18 feet to yards.

Problem 7: Cups, pints, and quarts

Maya buys 12 cups of milk. Convert 12 cups to pints and to quarts.

Problem 8: Metric lengths

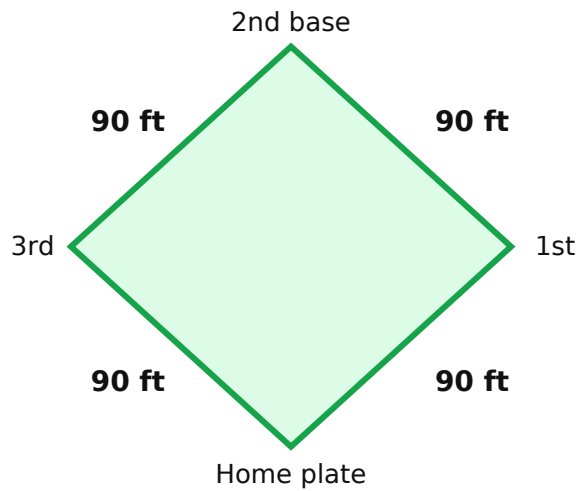
Convert (a) 3.5 kilometers to meters and (b) 450 centimeters to meters.



1 kilometer matches 1,000 meters.

Problem 9: Base paths

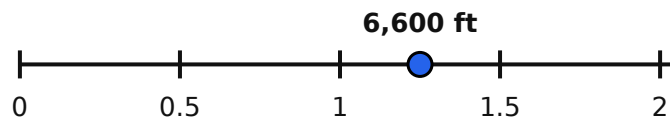
The bases on a Little League field are 90 feet apart. A runner circles all four bases. Find the distance in feet and in yards.



A baseball diamond with four 90-foot sides.

Problem 10: Hiking trail

A hiking trail is 2 miles long. Liam has walked 6,600 feet. How many feet are left, and how many miles is that?



The trail is 2 miles long; 6,600 feet is 1.25 miles.