

Grade 6 · Converting Measurement Units · Test

Common Core 6.RP.A.3d · mathovore.fr

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

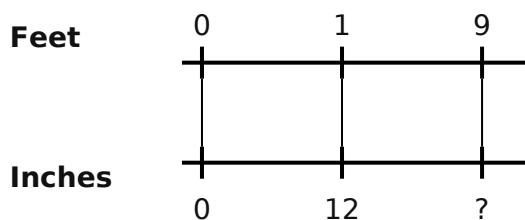
This 45-minute test covers converting customary and metric units with ratio reasoning from standard 6.RP.A.3d. It has 8 questions worth 20 points in all. Show your work, and write each answer with the correct unit.

Test information

- **Grade:** Grade 6
- **Chapter:** Converting Measurement Units
- **Common Core:** 6.RP.A.3d
- **Time:** 45 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 2 pts; Question 3: 2 pts; Question 4: 3 pts; Question 5: 3 pts; Question 6: 3 pts; Question 7: 3 pts; Question 8: 2 pts)

Question 1: Length and weight (2 points)

- Convert 9 feet to inches. (1 point)
- Convert 48 ounces to pounds. (1 point)



1 foot matches 12 inches.

Question 2: Capacity (2 points)

- Convert 5 quarts to pints. (1 point)
- Convert 36 cups to gallons. (1 point)

Question 3: Metric units (2 points)

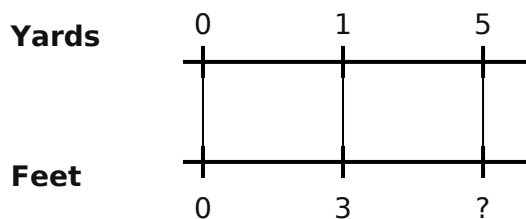
- Convert 7.2 kilometers to meters. (1 point)

b. Convert 650 centimeters to meters. (1 point)

Question 4: Fabric (3 points)

Aisha buys 5 yards of fabric.

- a. How many feet of fabric is that? (1 point)
- b. How many inches of fabric is that? (2 points)



1 yard matches 3 feet.

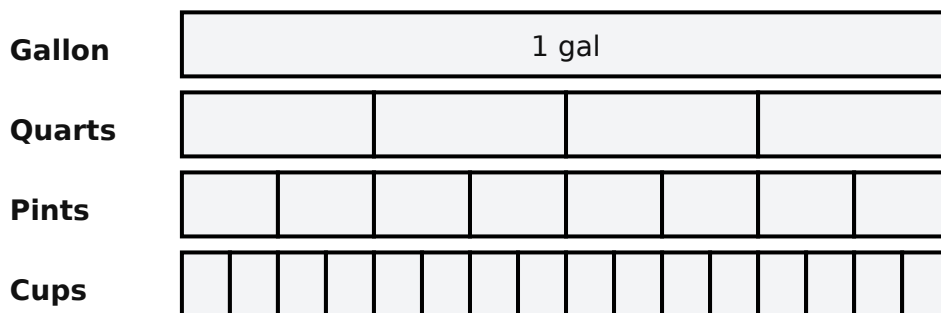
Question 5: Backpack weight (3 points)

Jamal's backpack weighs 6.5 pounds. The school asks that backpacks weigh no more than 100 ounces.

- a. Find the weight of the backpack in ounces. (2 points)
- b. By how many ounces is the backpack over the limit? (1 point)

Question 6: Punch for a party (3 points)

- a. Convert 3 quarts to cups. (1 point)
- b. Priya makes 2 gallons of punch. How many 1-cup servings can she pour? (2 points)



Gallons, quarts, pints, and cups.

Question 7: Walk to school (3 points)

Ethan walks 0.75 mile to school each morning and walks the same route home each afternoon.

- a. How many feet does he walk in one school day? (2 points)
- b. How many miles does he walk in 5 school days? (1 point)

Question 8: Water bottles (2 points)

A water bottle holds 750 milliliters.

- a. Write the capacity of the bottle in liters. (1 point)
- b. How many of these bottles does it take to fill a 6-liter jug? (1 point)