

# Grade 5 - Converting Measurement Units - Quiz

Common Core 5.MD.A.1 · maths-pdf.fr/en/

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

Try these 10 multiple-choice questions about converting customary and metric units. Choose the one correct answer. The explanation shows the conversion and the mistake behind a wrong choice.

**Grade 5** · Common Core State Standards: **5.MD.A.1**

## Questions

### Question 1

How many feet are in 3 yards?

- A. 36 ft
- B. 9 ft
- C. 1 ft
- D. 12 ft

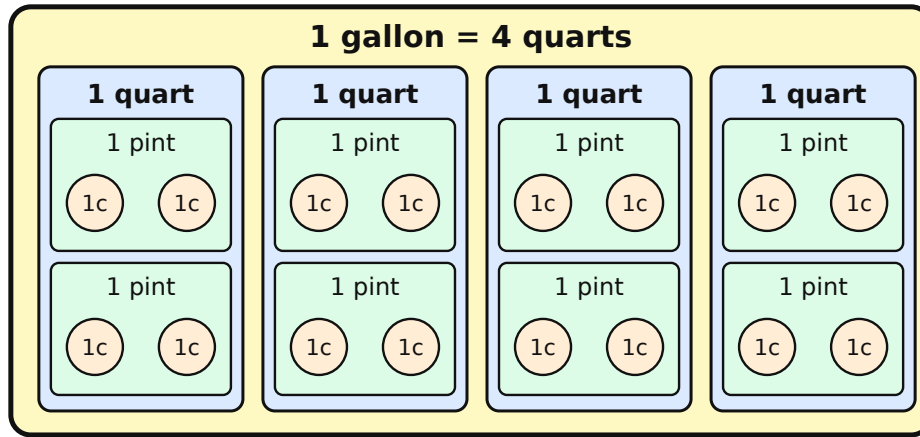
### Question 2

How many ounces are in 5 pounds?

- A. 80 oz
- B. 50 oz
- C. 60 oz
- D. 160 oz

### Question 3

How many pints are in 1 gallon?



1 gallon = 4 quarts = 8 pints = 16 cups.

- A. 4 pints
- B. 8 pints
- C. 16 pints
- D. 2 pints

#### Question 4

Convert 4,500 milliliters to liters.

- A. 45 L
- B. 4.5 L
- C. 0.45 L
- D. 4,500 L

#### Question 5

Which length is the longest?

- A. 2 m
- B. 190 cm
- C. 0.0018 km
- D. 2,100 mm

#### Question 6

The strip is 30 inches long. How long is it in feet and inches?



A strip.

- A. 2 ft 3 in
- B. 3 ft 6 in
- C. 2 ft 6 in
- D. 30 ft

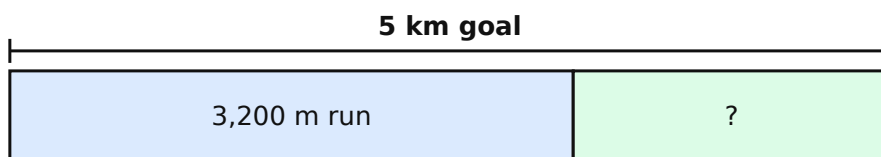
### Question 7

A truck holds 2 tons of sand. How many pounds is that?

- A. 2,000 lb
- B. 400 lb
- C. 4,000 lb
- D. 40,000 lb

### Question 8

Sofia runs the distance shown. How many more meters does she need to reach 5 kilometers?



Progress toward 5 km.

- A. 1,800 m
- B. 2,800 m
- C. 180 m
- D. 18,000 m

### Question 9

How many quarts are in 15 pints?

- A. 30 qt
- B. 3.75 qt
- C. 7 qt
- D. 7.5 qt

### Question 10

How many cups are in 3 quarts?

- A. 12 cups
- B. 6 cups
- C. 24 cups
- D. 48 cups

## Answers

1. **B** - 1 yard = 3 feet, so  $3 \times 3 = 9$ . Using 12 mixes up feet and inches.
2. **A** - 1 pound = 16 ounces, so  $5 \times 16 = 80$ .
3. **B** - A gallon has 4 quarts and each quart has 2 pints, so  $4 \times 2 = 8$ . Sixteen is the number of cups.
4. **B** - 1 L = 1,000 mL, so divide by 1,000 and get 4.5 L.
5. **D** - In meters the lengths are 2.1, 2, 1.9 and 1.8, so 2,100 mm is longest.
6. **C** -  $30 \div 12 = 2$  with 6 left over, so 2 ft 6 in.
7. **C** - 1 ton = 2,000 pounds, so  $2 \times 2,000 = 4,000$ .
8. **A** - 5 km = 5,000 m, and  $5,000 - 3,200 = 1,800$ .
9. **D** - 2 pints make 1 quart, so divide:  $15 \div 2 = 7.5$ . Multiplying gives 30, which is wrong.
10. **A** - 1 quart = 4 cups, so  $3 \times 4 = 12$ .

## Remember

- Customary length: 12 in = 1 ft, 3 ft = 1 yd, 5,280 ft = 1 mi.
- Customary capacity: 2 c = 1 pt, 2 pt = 1 qt, 4 qt = 1 gal.
- Weight: 16 oz = 1 lb and 2,000 lb = 1 ton.
- Metric units use powers of 10: 100 cm = 1 m, 1,000 m = 1 km, 1,000 mL = 1 L.
- Convert to the same unit first when a problem has several steps.