

Grade 6 - Converting Measurement Units with Ratios - Quiz

Common Core 6.RP.A.3d · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

This **unit conversions quiz** for 6th Grade covers converting measurement units with ratios (Common Core 6.RP.A.3d), with a free PDF to print.

This quiz has 10 multiple-choice questions on converting units of length, weight, capacity, and time (Common Core 6.RP.A.3d). Pick one answer for each and read the explanation to fix mistakes.

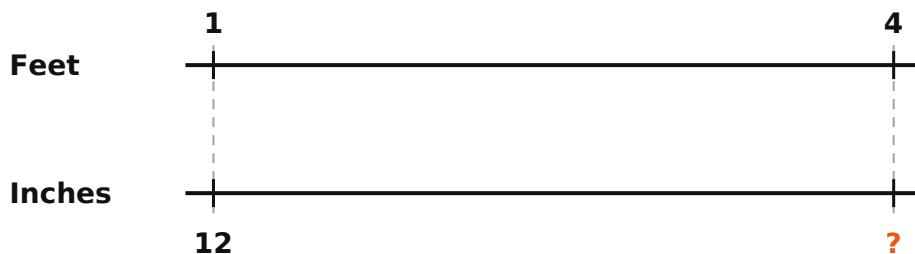
Grade 6 · Common Core State Standards: **6.RP.A.3d**

Unit conversions quiz: 10 questions

Questions

Question 1

How many inches are in 4 feet?



Feet and inches.

- A. 48
- B. 16
- C. 3
- D. 4

Question 2

How many cups are in 3 quarts? (1 quart = 4 cups)

- A. 7
- B. 12
- C. 3/4

D. 1

Question 3

Convert 2,400 grams to kilograms.

- A. 24 kg
- B. 2,400,000 kg
- C. 0.24 kg
- D. 2.4 kg

Question 4

Which is the same as 5 yards?

- A. 60 feet
- B. $5/3$ feet
- C. 15 feet
- D. 8 feet

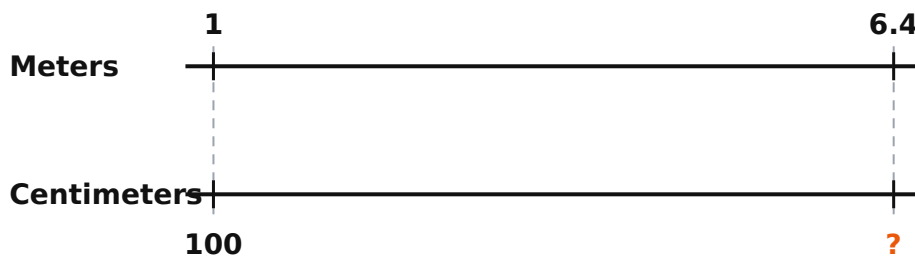
Question 5

How many minutes are in 3.5 hours?

- A. 35
- B. 180
- C. 3.5
- D. 210

Question 6

Convert 6.4 meters to centimeters.



Meters and centimeters.

- A. 640 cm
- B. 64 cm
- C. 6,400 cm
- D. 0.064 cm

Question 7

Which is longer?

- A. 100 inches
- B. 3 yards
- C. 8 feet
- D. 2.5 yards

Question 8

A recipe needs 48 ounces of broth. How many pounds is that?

- A. 768 pounds
- B. 32 pounds
- C. 3 pounds
- D. 12 pounds

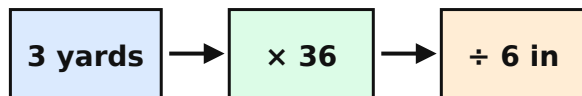
Question 9

A car travels 2 miles. How many feet is that? (1 mile = 5,280 feet)

- A. 10,560 feet
- B. 5,282 feet
- C. 2,640 feet
- D. 1,056 feet

Question 10

A rope is 3 yards long. Pieces of 6 inches are cut. How many pieces?



Convert first.

- A. 3
- B. 18
- C. 36
- D. 108

Answers

1. **A** - $(4 \times 12 = 48)$. Dividing 12 by 4 would give 3.
2. **B** - $(3 \times 4 = 12)$ cups.
3. **D** - Divide by 1,000: $(2,400 \div 1,000 = 2.4)$.
4. **C** - 1 yard = 3 feet, so $(5 \times 3 = 15)$.
5. **D** - $(3.5 \times 60 = 210)$. 180 is only 3 hours.
6. **A** - $(6.4 \times 100 = 640)$.
7. **B** - 3 yards = 108 inches, which is more than 100 inches. 8 feet = 96 inches and 2.5 yards = 90 inches.
8. **C** - $(48 \div 16 = 3)$. Multiplying by 16 would give ounces, not pounds.
9. **A** - $(2 \times 5,280 = 10,560)$. 2,640 is half a mile times 1.
10. **B** - 3 yards = 108 inches, and $(108 \div 6 = 18)$.

Remember

Remember

- A conversion factor is a ratio between two units, like 12 inches to 1 foot.
- Larger unit to smaller unit: multiply. Smaller to larger: divide.
- Metric conversions use 10, 100, and 1,000.
- Convert to the same unit before comparing amounts.
- Rates can be converted by converting each unit in turn.

How to use this unit conversions quiz

Answer each question, read the explanation that appears, and keep track of your score. A score of 8 out of 10 or more means you are ready for the test.

Download the unit conversions quiz as a PDF with the button below and keep it with your notes.