

Grade 4 · Measurement Conversions and Word Problems · Quiz

Common Core 4.MD.A.1, 4.MD.A.2 · mathovore.fr

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

Try these 10 multiple-choice questions on measurement conversions. Each question has one correct answer. Use the figures to read tables, jugs, and clocks, and review the explanation for each answer you miss.

Grade 4 Common Core: 4.MD.A.1 · 4.MD.A.2

Questions

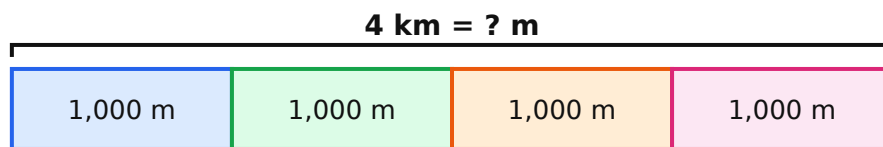
Question 1

How many centimeters are in 6 m?

- A. 60 cm
- B. 6,000 cm
- C. 606 cm
- D. 600 cm

Question 2

A trail is 4 km long. How many meters is that?



- A. 4,000 m
- B. 400 m
- C. 40,000 m
- D. 1,004 m

Question 3

How many ounces are in 7 pounds?

- A. 70 oz
- B. 112 oz

- C. 23 oz
- D. 84 oz

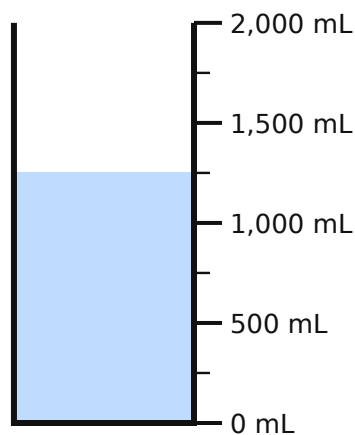
Question 4

How many minutes are in 3 hours 20 minutes?

- A. 320 min
- B. 200 min
- C. 180 min
- D. 80 min

Question 5

The jug holds 2 L when full. How many more milliliters fill it?

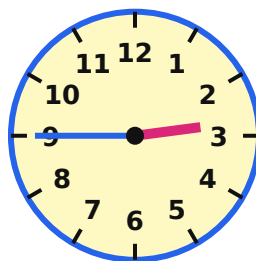


Jug at 1,250 mL.

- A. 250 mL
- B. 850 mL
- C. 750 mL
- D. 1,750 mL

Question 6

A class starts at the time on the clock and ends at 3:30 p.m. How long is the class?



Class start time.

- A. 35 min
- B. 55 min
- C. 45 min
- D. 75 min

Question 7

How many grams are in 2 kg 300 g?

- A. 230 g
- B. 2,300 g
- C. 2,030 g
- D. 23,000 g

Question 8

Which number completes the table?

Kilograms	Grams
1	1,000
2	2,000
3	3,000
5	?

- A. 500
- B. 5,100
- C. 50,000
- D. 5,000

Question 9

Oranges cost per pound. Maya buys 4 pounds and pays with a bill. How much change does she get?

Question 10

How many minutes are in three fourths of an hour?

- A. 45 min
- B. 34 min
- C. 75 min
- D. 15 min

Answer key

1. **D** - One meter is 100 cm, so multiply 6 by 100 to get 600. Multiplying by 10 is a common mistake.
2. **A** - One kilometer is 1,000 m, so 4 km is $4 \times 1,000 = 4,000$ m.
3. **B** - One pound is 16 oz. $7 \times 16 = 112$. Using 10 or 12 instead of 16 gives the wrong answers.
4. **B** - $3 \times 60 = 180$ and $180 + 20 = 200$. Writing 3 and 20 side by side gives 320, which is wrong.
5. **C** - $2 \text{ L} = 2,000 \text{ mL}$ and $2,000 - 1,250 = 750$.
6. **C** - The clock shows 2:45. From 2:45 to 3:00 is 15 minutes, and 3:00 to 3:30 is 30 minutes. $15 + 30 = 45$.
7. **B** - $2 \times 1,000 = 2,000$ and $2,000 + 300 = 2,300$. Forgetting the zeros in 1,000 gives 230 or 2,030.
8. **D** - Each kilogram is 1,000 g, so 5 kg is $5 \times 1,000 = 5,000$ g.
9. **C** - $4 \times \$3 = \$12$ and $\$20 - \$12 = \$8$. This is the cost, not the change.
10. **A** - One fourth of 60 minutes is 15 minutes. Three fourths is $3 \times 15 = 45$ minutes.

Remember:

- 1 km = 1,000 m and 1 m = 100 cm
- 1 kg = 1,000 g and 1 lb = 16 oz
- 1 L = 1,000 mL
- 1 hr = 60 min and 1 min = 60 sec
- Larger unit to smaller unit: multiply