

Grade 4 · Measurement Conversions and Word Problems · Test

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

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

This test has 9 questions worth 20 points. Students convert units, read tables, a jug, and a number line, and solve word problems about time, volume, mass, and money. Plan about 45 minutes and show all work.

Test information

- **Grade:** Grade 4
- **Chapter:** Measurement Conversions and Word Problems
- **Common Core:** 4.MD.A.1, 4.MD.A.2
- **Time:** 45 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 2 pts; Question 3: 2 pts; Question 4: 2 pts; Question 5: 2 pts; Question 6: 3 pts; Question 7: 3 pts; Question 8: 2 pts; Question 9: 2 pts)

Question 1: Convert units (2 points)

- Write 6 km in meters. (1 point)
- Write 9 lb in ounces. (1 point)

Question 2: Kilograms and grams table (2 points)

Complete the table. Then write the number that each kilogram value is multiplied by to get grams.

Kilograms (kg)	Grams (g)
3	?
7	?
12	?

Table of kilograms and grams.

(1 point for the table, 1 point for the multiplier)

Question 3: Compare measurements (2 points)

Write $<$, $>$, or $=$ in each blank.

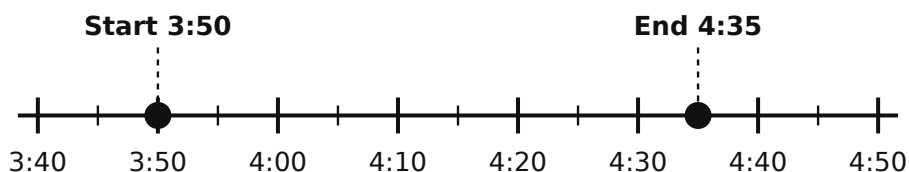
- a. 4 m 380 cm (1 point)
- b. 3 hr 200 min (1 point)

Question 4: Mixed units (2 points)

- a. 5 km 60 m in meters (1 point)
- b. 3 min 15 sec in seconds (1 point)

Question 5: Practice time (2 points)

Ethan's band practice starts and ends at the times shown.

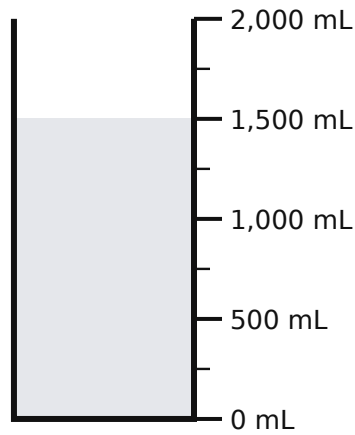


Practice starts at 3:50 and ends at 4:35.

- a. How many minutes does the practice last? (1 point)
- b. On Friday the practice lasts the same time and starts at 5:20. What time does it end? (1 point)

Question 6: Water in a jug (3 points)

The jug holds 2 L when full. The water level is shown.



Jug filled to 1,500 mL.

- a. How many milliliters of water are in the jug? (1 point)
- b. How many more milliliters fill the jug? (1 point)
- c. How many full 250 mL glasses can be poured from the water now in the jug? (1 point)

Question 7: Grapes and cheese (3 points)

Jamal buys 4 lb of grapes at \$3 per pound and 2 lb of cheese at \$5 per pound. He pays with \$30.

- a. Find the cost of the grapes. (1 point)
- b. Find the total cost. (1 point)
- c. Find the change. (1 point)

Question 8: Rope pieces (2 points)

Priya has a rope that is 3 m long. She cuts it into pieces that are each 50 cm long.

- a. Write the length of the rope in centimeters. (1 point)
- b. How many pieces does she cut? (1 point)

Question 9: Package masses (2 points)

One package has a mass of 2 kg 750 g. Another has a mass of 1 kg 450 g.

- a. Find the total mass in grams. (1 point)
- b. Write the total mass in kilograms and grams. (1 point)