

Grade 4 - Measurement Units and Conversions - Worksheet

Common Core 4.MD.A.1, 4.MD.A.2 · maths-pdf.fr/en/

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

These 20 problems practice changing larger units into smaller units: kilometers to meters, kilograms to grams, liters to milliliters, pounds to ounces, and hours to minutes. The skills match Common Core 4.MD.A.1 and 4.MD.A.2.

The first problems are quick conversions. The last six are word problems about trails, milk, movies, backpacks, ribbon, and baking.

Grade 4 · Common Core State Standards: **4.MD.A.1, 4.MD.A.2**

Exercise 1 - Kilometers to meters

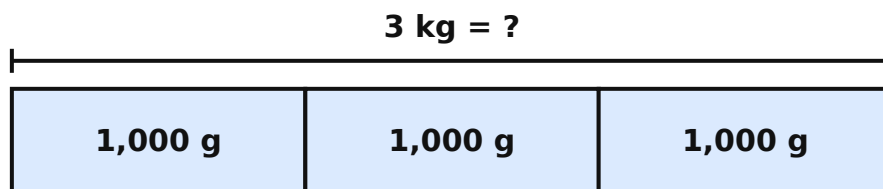
Convert 4 km to meters.

Exercise 2 - Meters to centimeters

Convert 7 m to centimeters.

Exercise 3 - Kilograms to grams

Look at the blocks. Convert 3 kg to grams.



Each block is 1 kg = 1,000 g.

Exercise 4 - Liters to milliliters

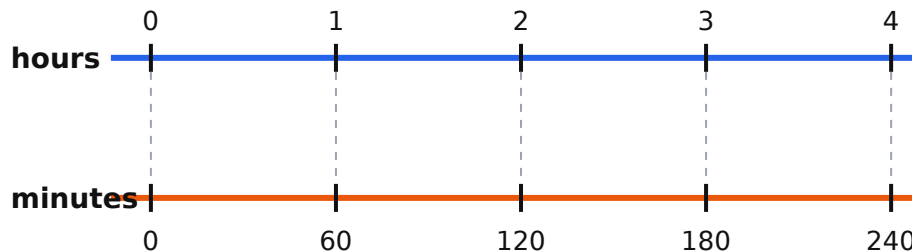
Convert 5 L to milliliters.

Exercise 5 - Pounds to ounces

Convert 2 lb to ounces.

Exercise 6 - Hours to minutes

Use the double number line to find how many minutes are in 3 hr.



Hours on top, minutes on the bottom.

Exercise 7 - Minutes to seconds

Convert 5 min to seconds.

Exercise 8 - Mixed length

Write 2 m 35 cm as centimeters.

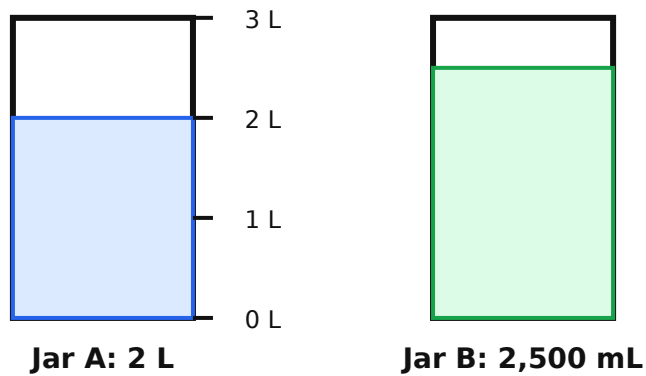
Exercise 9 - Fill the conversion table

Complete the table.

Kilograms	Grams
1	?
2	?
6	?
8	?

Exercise 10 - Compare liquid volumes

Compare the two jars. Write <, >, or = in place of the question mark: 2 L ? 2,500 mL



Jar A and Jar B drawn on the same scale.

Exercise 11 - Hours and minutes

Write 3 hr 20 min as minutes.

Exercise 12 - Pounds and ounces

Write 4 lb 6 oz as ounces.

Exercise 13 - Minutes and seconds

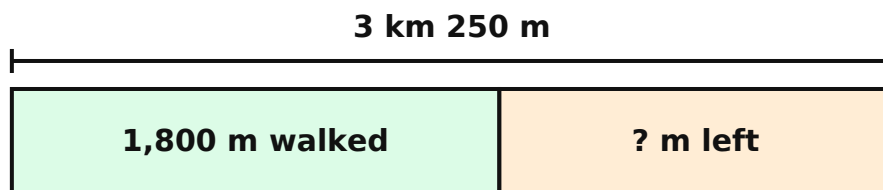
Write 2 min 15 sec as seconds.

Exercise 14 - Which is longer?

Which is longer, 3 m 5 cm or 350 cm?

Exercise 15 - Trail walk

Ethan's hiking trail is 3 km 250 m long. He has walked 1,800 m. How many meters are left?



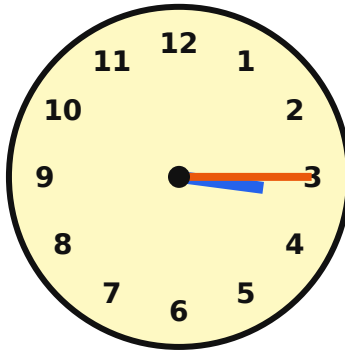
The whole trail is 3,250 m.

Exercise 16 - Milk bottle

Sofia has a 2 L bottle of milk. She pours 750 mL into pancake batter and 450 mL into a smoothie. How many milliliters are left?

Exercise 17 - Movie time

Priya's movie starts at the time on the clock (PM) and lasts 2 hr 50 min. What time does it end?



The clock shows 3:15.

Exercise 18 - Backpack weight

Diego's backpack weighs 3 lb 9 oz. He adds a lunch that weighs 12 oz. Find the total weight in ounces. Then write it in pounds and ounces.

Exercise 19 - Ribbon cost

Ribbon costs \$6 per meter. Noah buys 250 cm of ribbon. How much does he pay?

Exercise 20 - Cookie baking

Jamal bakes cookies for 1 hr 45 min, lets them cool for 25 min, and decorates for 50 min. He starts at 9:30 AM. How many minutes does everything take, and what time does he finish?