



GRADE 4 / WATCH MR DJ SOLVE

MEASUREMENT WORD PROBLEMS

Start with the same example used in the lesson slides.

**WATCH MR DJ SOLVE****A ribbon is 2 m long. Cut off 35 cm. How many centimeters remain? Use 1 m = 100 cm.**

- 1** 2 m = 200 cm.
- 2** $200 - 35 = 165$.
- 3** Both lengths must use the same unit.

Answer: **165 cm****REMEMBER** Choose a common unit, plan the operations, and check the answer in its context.

Read each step and explain why it is valid. The next pages demonstrate the methods in more detail. Then use the large work areas on the numbered practice pages.

**GRADE 4 / WORKED METHODS****MEASUREMENT WORD PROBLEMS**

Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Rename before subtracting

$2 \text{ m} - 35 \text{ cm} = 165 \text{ cm}$

1. $2 \text{ m} = 200 \text{ cm}$.
2. $200 - 35 = 165$.
3. 165 cm remains; adding 35 cm returns 200 cm.

Rename before subtracting

$$2 \text{ m} = 200 \text{ cm}$$

$$200 \text{ cm} - 35 \text{ cm} = 165 \text{ cm}$$



GRADE 4 / WORKED METHODS

MEASUREMENT WORD PROBLEMS

Read a complete example before trying the matching method.



Use these examples as a reference. Keep each quantity and its unit visible. A different valid method is welcome unless a question specifically requests one.

Bridge an hour on a time line

9:45 a.m. + 35 min = 10:20 a.m.

1. 15 minutes take 9:45 to 10:00.
2. $35 - 15 = 20$ minutes remain.
3. Add 20 minutes to reach 10:20.



GRADE 4 / PRACTICE

MEASUREMENT WORD PROBLEMS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

- ◀ Mild 1. Buy 5 notebooks at 125 cents each. Pay 2,000 cents. How much change is due?

My answer / conclusion: _____

- ◀ Mild 2. A lesson starts at 9:10 a.m. and lasts 45 min. Find the ending time.

My answer / conclusion: _____



Date _____

MEASUREMENT WORD PROBLEMS

A cartoon fox mascot with orange fur, large eyes, and a purple collar, holding a yellow pencil.

Medium 3. 2 L of juice is shared into 250 mL cups. How many FULL cups? Use 1 L = 1,000 mL.

4. A parcel weighs 1 kg 250 g. Add a 500 g book. Give the total in grams. Use 1 kg = 1,000 g.

Measurement word problems / practice · page 5



GRADE 4 / PRACTICE

MEASUREMENT WORD PROBLEMS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Medium

5. A $\frac{3}{4}$ m strip loses $\frac{1}{4}$ m. Find the length left. Express it as a fraction of a meter and in centimeters.

Grid area for problem 5 solution.

My answer / conclusion: _____

Spicy

6. A child subtracts 50 cm from 2 m and writes “48 m.” Diagnose the error and solve.

Grid area for problem 6 solution.

My answer / conclusion: _____



GRADE 4 / PRACTICE

MEASUREMENT WORD PROBLEMS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

🔥🔥🔥 Spicy

7. Two events start at 10:40 a.m. One ends at 11:10 and the other at 11:25. Explain why subtracting the clock numbers as ordinary decimals fails.

Grid area for student work.

My answer / conclusion: _____



GRADE 4 / PRACTICE

MEASUREMENT WORD PROBLEMS

Show the method, label your work, and explain the reasoning requested.



Use the worked-method reference when helpful. Use the included method reference. Show the requested method, then check your answer. Reasoning questions need evidence and an explanation.

Extra Spicy

8. Make two different measurement stories solved by $(200 - 50) \div 3$. Give the units and explain each step.

Grid area for working out the problem.

My answer / conclusion: _____