

Grade 3 - Time, Liquid Volume and Mass - Answer Key

Common Core 3.MD.A.1, 3.MD.A.2 · maths-pdf.fr/en/

This **time measurement answers** for 3rd Grade covers time, liquid volume and mass (Common Core 3.MD.A.1, 3.MD.A.2), with a free PDF to print.

Every worked solution for the time, mass and liquid volume worksheet is shown below. Check the steps, not only the final answer, and redo any problem where the unit or the hour is different from yours.

Grade 3 · Common Core State Standards: **3.MD.A.1, 3.MD.A.2**

Time measurement answers: exercises 1 to 10

Exercise 1 - Read the clock (1)

The hour hand is just past the 8, so the hour is 8. The minute hand is 1 mark past the 3: $3 \times 5 = 15$ and $15 + 1 = 16$. The time is **8:16**.

Exercise 2 - Read the clock (2)

The minute hand is 2 marks past the 10: $10 \times 5 = 50$ and $50 + 2 = 52$. The hour hand is close to 11 but has not reached it, so the hour is 10. The time is **10:52**.

Exercise 3 - Write the time

14 minutes after 6 o'clock is 6:14. Evening is after noon, so the time is **6:14 P.M.**

Exercise 4 - Minutes until the hour

From 52 minutes to 60 minutes: $60 - 52 = 8$. There are **8 minutes** until 4:00.

Exercise 5 - Elapsed time in one hour

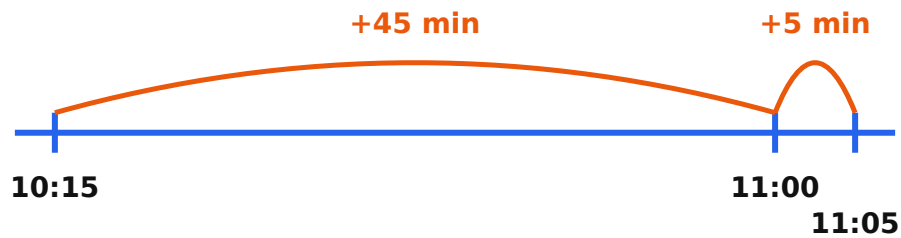
Both times are in the same hour: $45 - 10 = 35$. The elapsed time is **35 minutes**.

Exercise 6 - Find the end time

5:20 plus 40 minutes: jump 40 minutes from 5:20 to reach 6:00 ($20 + 40 = 60$). Practice ends at **6:00**.

Exercise 7 - Number line jumps

Jump from 10:15 to 11:00: 45 minutes. Jump from 11:00 to 11:05: 5 minutes. $45 + 5 = 50$.



The elapsed time is **50 minutes**.

Exercise 8 - Find the start time

Jump back 30 minutes to 8:00, then back 25 more minutes ($30 + 25 = 55$) to 7:35. The movie started at **7:35 P.M.**

Exercise 9 - Gram or kilogram

- a. A strawberry is light, so use **g**.
- b. A bag of cat litter is heavy, so use **kg**.

Exercise 10 - Reasonable liters

A bathtub holds more than a bucket (10 L) but not as much as a swimming pool. The best choice is **150 L**.

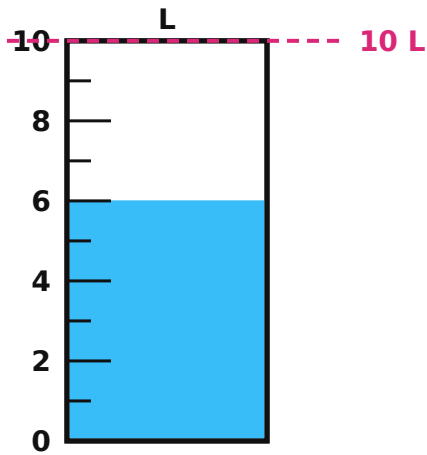
Exercises 11 and up

Exercise 11 - Add masses

$240 + 365 = 605$. The total mass is **605 g**.

Exercise 12 - Fill the beaker

The water is at 6 L. $10 - 6 = 4$.



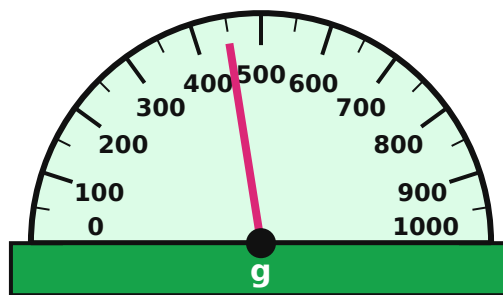
The dashed line marks 10 L, so **4 L** more fill the beaker.

Exercise 13 - Compare masses

$5 - 2 = 3$. The pumpkin has **3 kg** more mass.

Exercise 14 - Read the scale

- The pointer is at 450, so the mass is **450 g**.
- $1,000 - 450 = 550$, so **550 g** more are needed.



The pointer shows 450 g.

Exercise 15 - Equal groups of liters

$6 \times 2 = 12$. Ethan buys **12 L** of juice.

Exercise 16 - Share kilograms

$24 \div 4 = 6$. Each crate holds **6 kg**.

Exercise 17 - Homework time

From 4:25 to 5:00 is 35 minutes. From 5:00 to 5:10 is 10 minutes. $35 + 10 = 45$. Lia works for **45**

minutes.

Exercise 18 - Two trips

Total travel time: $25+15=40$ minutes. From 7:35, 25 minutes later is 8:00, and 15 more minutes is 8:15. Noah arrives at **8:15 A.M.**

Exercise 19 - Jug of water

Poured: $4+3=7$ L. Left: $9-7=2$. There are **2 L** left.

Exercise 20 - Crates of oranges

Total: $4\times 18=72$ kg. Left: $72-25=47$. **47 kg** are left.

Key facts behind this time measurement answers

Key facts

- There are 60 minutes in 1 hour; count by 5s, then by 1s.
- Elapsed time = the jumps from start to end, added together.
- 1 kilogram = 1,000 grams.
- Liquid volume is measured in liters (L).
- Add, subtract, multiply, or divide measurements that use the same unit.

How to use this time measurement answers

Cover each solution, solve the exercise again, then uncover it and compare every line. If your answer differs, find the first step that changed and redo the exercise from there.

Download the time measurement answers as a PDF with the button below and keep it with your notes.