

# Grade 3 - Time, Liquid Volume and Mass - Worksheet

Common Core 3.MD.A.1, 3.MD.A.2 · [maths-pdf.fr/en/](https://maths-pdf.fr/en/)

Name: \_\_\_\_\_ Class: \_\_\_\_\_ Date: \_\_\_\_/\_\_\_\_/\_\_\_\_

This **time measurement worksheet** 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.

These 20 problems practice telling time to the nearest minute, finding elapsed time, and measuring mass in grams and kilograms and liquid volume in liters (3.MD.A.1 and 3.MD.A.2).

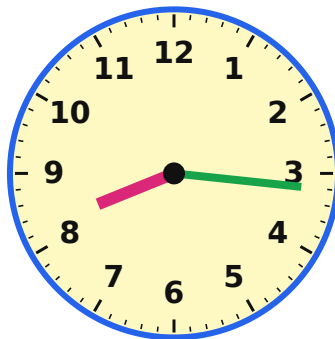
The problems start with clocks and number lines and end with six word problems that use more than one step. Draw a number line or tape diagram when it helps.

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

## Time measurement worksheet: exercises 1 to 10

### Exercise 1 - Read the clock (1)

What time is it? Write the time with a colon.



Clock for Problem 1.

### Exercise 2 - Read the clock (2)

Look at the clock and write the hours and minutes.



Clock for Problem 2.

### Exercise 3 - Write the time

Write the time that is 14 minutes after 6 o'clock in the evening. Use A.M. or P.M.

### Exercise 4 - Minutes until the hour

The clock says 3:52. How many minutes are left until 4:00?

### Exercise 5 - Elapsed time in one hour

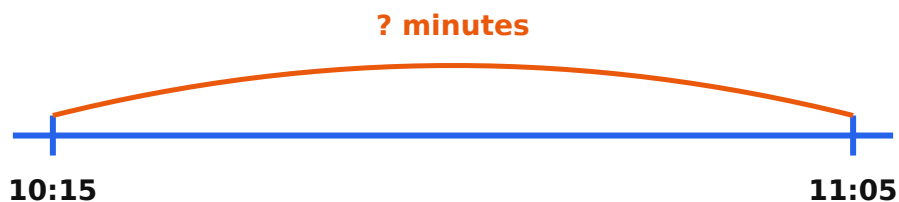
A library video starts at 4:10 and ends at 4:45. Find the elapsed time.

### Exercise 6 - Find the end time

Soccer practice starts at 5:20 and lasts 40 minutes. What time does it end?

### Exercise 7 - Number line jumps

Find the elapsed time from 10:15 A.M. to 11:05 A.M.



Number line for Problem 7.

### Exercise 8 - Find the start time

A movie ends at 8:30 P.M. It lasted 55 minutes. What time did it start?

### Exercise 9 - Gram or kilogram

Write g or kg for the best unit to measure each object.

- a. A strawberry
- b. A bag of cat litter

### Exercise 10 - Reasonable liters

Which is the most reasonable amount of water for a bathtub filled for a bath: 15 L, 150 L, or 1,500 L?

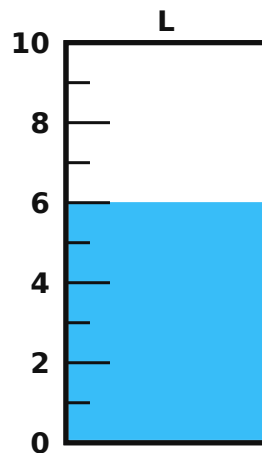
### Exercises 11 and up

### Exercise 11 - Add masses

A tomato has a mass of 240 g. A cucumber has a mass of 365 g. What is their total mass?

### Exercise 12 - Fill the beaker

The beaker holds up to 10 L. How many more liters are needed to fill it to the top?



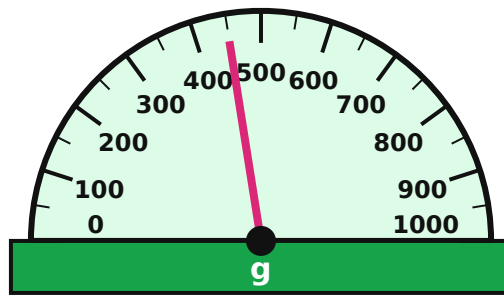
Beaker for Problem 12.

### Exercise 13 - Compare masses

A pumpkin has a mass of 5 kg. A cantaloupe has a mass of 2 kg. How many kilograms more is the mass of the pumpkin?

### Exercise 14 - Read the scale

Write the mass shown on the scale. Then find how many more grams are needed to reach 1,000 g.



Scale for Problem 14.

### Exercise 15 - Equal groups of liters

Ethan buys 6 bottles of juice. Each bottle holds 2 L. How many liters of juice does he buy?

### Exercise 16 - Share kilograms

A farmer packs 24 kg of apples equally into 4 crates. How many kilograms are in each crate?

### Exercise 17 - Homework time

Lia starts her homework at 4:25 P.M. and finishes at 5:10 P.M. How many minutes does she work?

### Exercise 18 - Two trips

Noah leaves home at 7:35 A.M. He rides the bus for 25 minutes and then walks for 15 minutes to school. What time does he arrive?

### Exercise 19 - Jug of water

A jug holds 9 L of water. Aisha pours 4 L into a pot and 3 L into a pitcher. How many liters are left in the jug?

### Exercise 20 - Crates of oranges

A truck brings 4 crates of oranges. Each crate has a mass of 18 kg. The store sells 25 kg of the oranges. How many kilograms are left?

## Key facts behind this time measurement worksheet

### 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 worksheet

Work through the exercises in order: they go from simple to challenging. Write every step on paper, then compare with the solutions page and redo any exercise you missed the next day.

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