

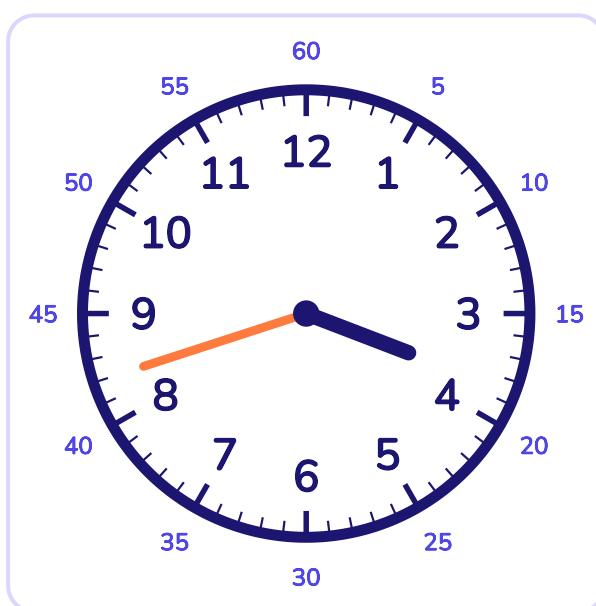
Time, Liquid Volume, and Mass: math practice, Grade 3 – download the PDF

20 problems graded by difficulty (★ easy, ★★ medium, ★★★ hard). Try first, without looking at the solutions!

1 Read the clock



Look at the clock.



- What time does it show?
- How many minutes until 4:00?

2 Counting by fives



The minute hand points to each number below. How many minutes after the hour is that?

- a. the 7
- b. the 9
- c. the 4
- d. the 11

3 Another clock



Write the time shown on this clock, then say how many minutes after 6:00 it is.



4 A short movie



A cartoon starts at 4:10 p.m. and ends at 4:50 p.m. How long does it last?

5**Convert the units**

Fill in each blank.

- a. 3 L = ____ mL
- b. 5,000 mL = ____ L
- c. 2 kg = ____ g
- d. 4,000 g = ____ kg

6**Choose the best unit**

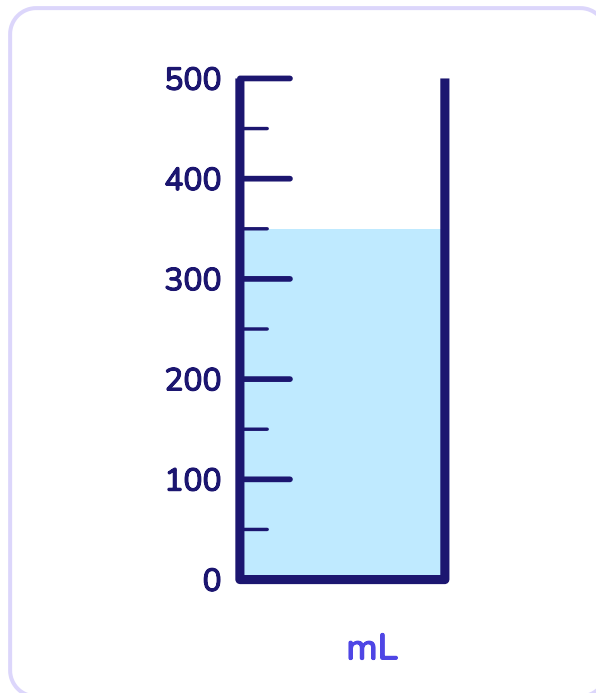
Choose mL, L, g, or kg for each measure.

- a. the liquid in a spoonful of vanilla
- b. the water in a bathtub
- c. the mass of a paper clip
- d. the mass of a watermelon

7

Read the beaker

The beaker holds up to 500 mL.



- How much liquid is in the beaker?
- How many more milliliters fill it to the 500 mL mark?

8

Soccer practice

Soccer practice starts at 3:25 p.m. and ends at 4:10 p.m. How long is practice?

9

When did the bus leave?

Lena's bus ride to school takes 35 minutes. She arrives at 8:20 a.m. At what time did the bus leave?

10

Cookies in the oven

Nadia puts cookies in the oven at 5:40 p.m. They bake for 25 minutes. When should she take them out?

11 The lemonade pitcher



A pitcher holds 2 L of lemonade. Diego pours 4 glasses with 250 mL in each glass. How much lemonade is left in the pitcher? Give the answer in mL and in L.

12 The backpack



In Ava's backpack there is a book of 450 g, a notebook of 275 g, and a lunch box of 600 g. What is the total mass of these three things?

13 True or false?



Say whether each statement is true or false. Explain.

- a. 2 kg 500 g is the same as 2,500 g.
- b. 3,000 mL is the same as 30 L.
- c. 4 kg is heavier than 3,900 g.
- d. 5 kg is lighter than 5,000 g.

14 The school schedule



Here is Class 3B's morning schedule.

Class	Starts	Ends
Art	9:10 a.m.	9:55 a.m.
Reading	10:05 a.m.	10:50 a.m.
Math	11:00 a.m.	11:50 a.m.

- How long is each class?
- Which class is the longest?
- How long is the break between Art and Reading?

15 Homework time



Mia starts her homework at 4:20 p.m. She does math for 25 minutes, takes a 10-minute break, and then reads for 30 minutes. At what time does she finish? How many minutes did all of it take?

16 A big pot of soup



A cook makes 6 L of soup. She serves 12 bowls with 250 mL of soup in each bowl. How much soup is left? Answer in L.

17 The fruit crate



A crate can hold at most 20 kg. A farmer puts in 4 melons of 3 kg each and a box of grapes of 5 kg. How many more kilograms can the crate hold? How many grams is that?

18 Make a reasonable estimate



Choose the most reasonable estimate and explain your choice.

- a. The mass of a laptop: 20 g, 2 kg, or 200 kg
- b. The water in a full kitchen sink: 1 mL, 10 L, or 1,000 L
- c. The mass of a house cat: 400 g, 4 kg, or 40 kg

19 Two jugs and a bowl



Chloe pours a jug of 1,200 mL and a jug of 1 L 50 mL into an empty 3 L bowl. How much liquid is in the bowl? How much room is left?

20 The long hike



A hiking group starts at 11:50 a.m. and finishes at 1:15 p.m. Each of the 3 hikers carries a 750 mL water bottle.

- a. How long is the hike?
- b. How many milliliters of water do the 3 hikers carry together? Write it in L and mL.



Test yourself: quick challenge for Grade 3

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Level : **Grade 3**

6 random questions, instant feedback.



Start the challenge



Speed drill for Grade 3: how many in 60 seconds?



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