

Grade 3 · Time, Liquid Volume and Mass · Worksheet

Common Core 3.MD.A.1, 3.MD.A.2 · mathovore.fr

Name: _____ Date: ____/____/____ Score: _____

These 22 problems practice telling time to the nearest minute, finding elapsed time, and measuring mass and liquid volume, from standards 3.MD.A.1 and 3.MD.A.2. The first problems read clocks, scales, and beakers.

The later problems are word problems about homework, a movie, a fish tank, and a farmers market. Use a number line or a tape diagram when it helps, and write the unit in every answer.

Grade 3 Common Core: 3.MD.A.1 · 3.MD.A.2

Problem 1: Read the clock

Write the time shown on the clock to the nearest minute.



Clock for Exercise 1.

Problem 2: Almost the next hour

Write the time shown on the clock.



Clock for Exercise 2.

Problem 3: Ten minutes later

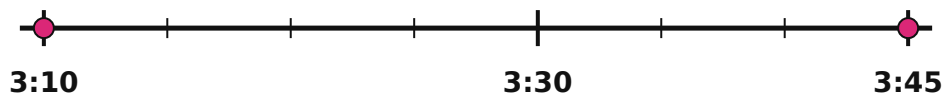
A clock shows 8:25. What time will it show 10 minutes later?

Problem 4: Count by fives and ones

The minute hand is on the 9 and then 3 small marks past it. How many minutes after the hour is it?

Problem 5: Class on a number line

Sofia's art class starts at 3:10 and ends at 3:45. Find the elapsed time.



Number line for Exercise 5.

Problem 6: Movie length

A movie starts at 1:20 and ends at 1:58. How many minutes long is the movie?

Problem 7: Finish time

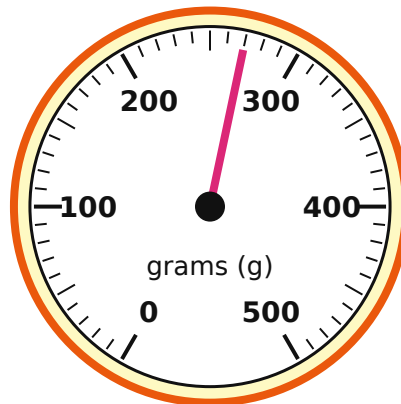
Aisha starts her homework at 4:25. It takes her 35 minutes. What time does she finish?

Problem 8: Start time

Ethan finished his chores at 6:15. The chores took 40 minutes. What time did he start?

Problem 9: Read the scale

A kitchen scale shows the mass of a bag of rice in grams. What mass does the scale show?



Scale for Exercise 9.

Problem 10: Grams or kilograms

Write *grams* or *kilograms* for the better unit to measure the mass of each object.

- a. a grape
- b. a watermelon
- c. a pencil

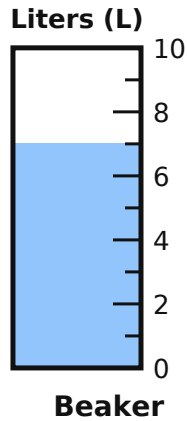
Problem 11: Liters or grams

Write *liters* or *grams* for what you would use to measure each one.

- a. the milk in a pitcher
- b. a feather
- c. the water in a bathtub

Problem 12: Read the beaker

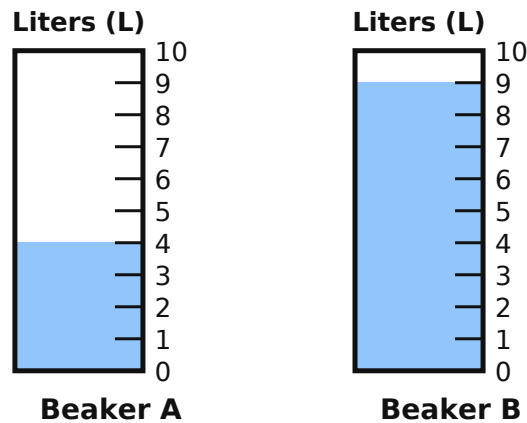
How many liters of water are in the beaker?



Beaker for Exercise 12.

Problem 13: Compare two beakers

Beaker A and Beaker B hold water. How many more liters of water are in Beaker B than in Beaker A?



Beakers for Exercise 13.

Problem 14: Cat and dog

Maya's cat has a mass of 4 kilograms. Her dog has a mass of 19 kilograms. What is the total mass of the two pets?

Problem 15: Draining the tub

A tub has 52 liters of water. Noah lets 19 liters drain out. How many liters are left?

Problem 16: Fish bowls

Jamal fills 6 fish bowls. Each bowl holds 3 liters of water. How many liters of water does he use?



Tape diagram for Exercise 16.

Problem 17: Boxes of books

A shipment of books has a mass of 28 kilograms. Priya packs it into 4 boxes with equal mass. What is the mass of each box?

Problem 18: Music practice

Aisha starts practicing at 4:10. She plays piano for 25 minutes and then violin for 20 minutes. What time does she stop?

Problem 19: Trip to school

Diego leaves home at 7:45 AM. He walks for 15 minutes and rides the bus for 25 minutes. What time does he get to school?

Problem 20: Bags of apples

Liam buys 7 bags of apples at the farmers market. Each bag has a mass of 3 kilograms. What is the total mass of the apples?



Tape diagram for Exercise 20.

Problem 21: Sharing a tank

A fish store has a tank with 36 liters of water. Mei pours the water equally into 9 containers. How many liters are in each container?

Problem 22: Baking recipe

A recipe uses 250 grams of flour and 175 grams of sugar. What is the total mass of the flour and sugar?