

Grade 3 · Time, Liquid Volume and Mass · Test

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

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

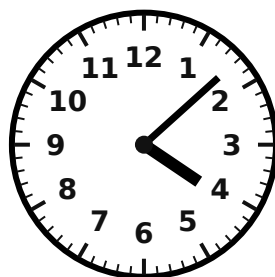
This 45 minute test checks time to the nearest minute, elapsed time, and the measurement of mass and liquid volume. Read each clock, scale, and beaker carefully. Show your work and write the unit in every answer. There are 9 questions worth 20 points in all.

Test information

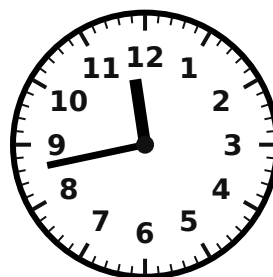
- **Grade:** Grade 3
- **Chapter:** Time, Liquid Volume and Mass
- **Common Core:** 3.MD.A.1, 3.MD.A.2
- **Time:** 45 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 2 pts; Question 3: 2 pts; Question 4: 2 pts; Question 5: 2 pts; Question 6: 3 pts; Question 7: 3 pts; Question 8: 2 pts; Question 9: 2 pts)

Question 1: Two clocks (2 points)

Write the time shown on each clock.



Clock A



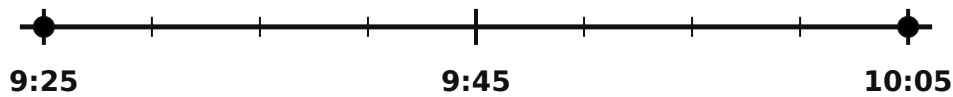
Clock B

Clocks for Question 1.

- Clock A (1 point)
- Clock B (1 point)

Question 2: Science class (2 points)

Ethan's science class starts at 9:25 and ends at 10:05. How many minutes long is the class?



Number line for Question 2.

Question 3: Class ends (2 points)

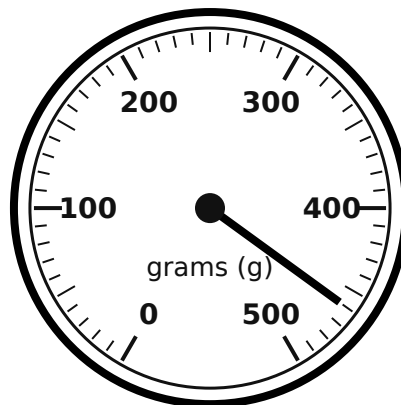
Band practice begins at 8:50 and lasts 45 minutes. What time does band practice end?

Question 4: Soccer start (2 points)

Jamal finished soccer practice at 3:20. Practice lasted 35 minutes. What time did it start?

Question 5: Grocery scale (2 points)

The scale shows the mass of a bag of oranges.

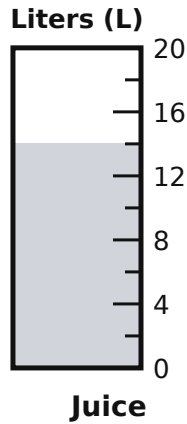


Scale for Question 5.

- What is the mass of the oranges? (1 point)
- A bag of pears has a mass of 385 grams. How many more grams do the oranges have than the pears? (1 point)

Question 6: Juice beakers (3 points)

The beaker shows the juice Sofia made for a party.



Beaker for Question 6.

- a. How many liters of juice are in the beaker? (1 point)
- b. A second beaker has 9 liters of juice. How many more liters are in the first beaker? (1 point)
- c. Sofia pours 4 more liters into the first beaker. How many liters are in it now? (1 point)

Question 7: Heavy loads (3 points)

- a. A truck carries 8 boxes. Each box has a mass of 6 kilograms. What is the total mass of the boxes? (1 point)
- b. A load of 63 kilograms is divided equally among 7 crates. What is the mass of each crate? (1 point)
- c. Write *grams* or *kilograms* for the better unit to measure the mass of a loaf of bread. (1 point)

Question 8: Punch bowl (2 points)

A punch bowl holds 24 liters. Priya pours in 9 liters of fruit juice and then 8 liters of sparkling water. How many more liters will the bowl hold?

Question 9: Art project (2 points)

Mei starts an art project at 2:15. She works for 25 minutes, takes a 10 minute break, and then works for 20 more minutes. What time does she finish?