

Grade 6 · Integers, Opposites and Absolute Value · Test

Common Core 6.NS.C.5, 6.NS.C.6a, 6.NS.C.7 · mathovore.fr

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

This 45-minute test covers integers, opposites, ordering, and absolute value from Common Core 6.NS.C.5, 6.NS.C.6a, and 6.NS.C.7. It has 9 questions worth 20 points in total. Show your reasoning, and use inequality symbols correctly.

Test information

- **Grade:** Grade 6
- **Chapter:** Integers, Opposites and Absolute Value
- **Common Core:** 6.NS.C.5, 6.NS.C.6a, 6.NS.C.7
- **Time:** 45 minutes
- **Total:** 20 points (Question 1: 2 pts; Question 2: 2 pts; Question 3: 3 pts; Question 4: 2 pts; Question 5: 2 pts; Question 6: 2 pts; Question 7: 3 pts; Question 8: 2 pts; Question 9: 2 pts)

Question 1: Integers in context (2 points)

Write an integer to represent each situation.

- A scuba diver is 65 feet below sea level. (1 point)
- Jamal withdraws \$40 from his savings account. (1 point)

Question 2: Opposites (2 points)

Answer each question.

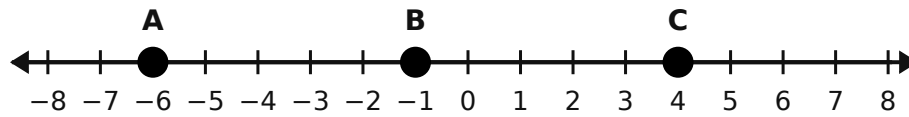
- What is the opposite of -14 ? (1 point)
- What is the opposite of the opposite of 9? (1 point)

Question 3: Read a number line (3 points)

Write the number shown by each labeled point.

- Point A (1 point)

- b. Point B (1 point)
- c. Point C (1 point)



Points A, B and C on a number line.

Question 4: Compare numbers (2 points)

Write $<$, $>$, or $=$ to make each statement true.

- a. -9 $[\text{?}][\text{?}]$ -6 (1 point)
- b. -0.5 $[\text{?}][\text{?}]$ $-\frac{1}{2}$ (1 point)

Question 5: Order integers (2 points)

Write the integers -5 , 3 , -8 , 0 , -1 in order from least to greatest.

Question 6: Absolute value (2 points)

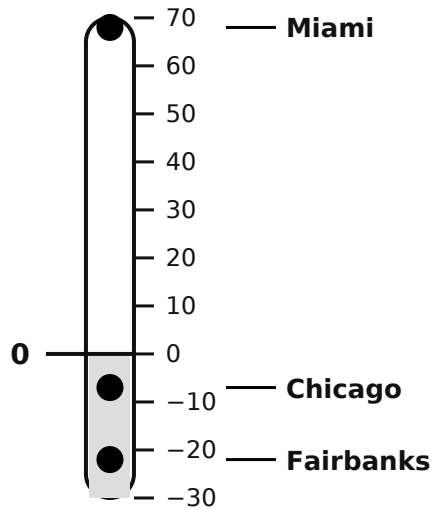
Answer each question.

- a. Find $|-17|$. (1 point)
- b. Write a number other than 12 whose absolute value is 12. (1 point)

Question 7: Winter temperatures (3 points)

One winter day the temperature was -22°F in Fairbanks, -7°F in Chicago, and 68°F in Miami.

- a. Which city was coldest? (1 point)
- b. Write an inequality comparing the temperatures in Fairbanks and Chicago. (1 point)
- c. Which city had a temperature closest to 0°F ? (1 point)



City temperatures.

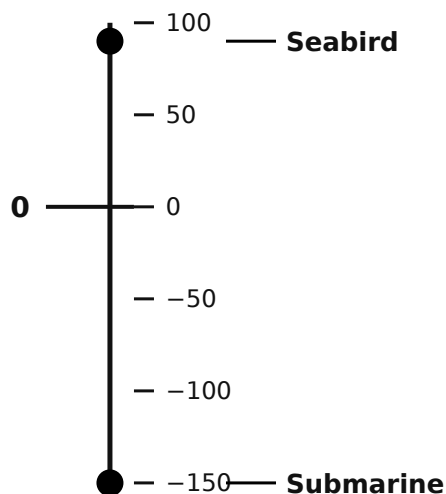
Question 8: Order rational numbers (2 points)

Write the numbers -2.5 , $\frac{1}{2}$, -1.25 , 0.3 in order from least to greatest.

Question 9: Elevation (2 points)

A submarine is at an elevation of -150 feet and a seabird is at an elevation of 90 feet.

- Which one is farther from sea level? (1 point)
- Write an inequality comparing the two elevations. (1 point)



Elevation compared with sea level.