

Grade 6 - Ordering Rational Numbers and Absolute Value - Quiz

Common Core 6.NS.C.7a, 6.NS.C.7b, 6.NS.C.7c, 6.NS.C.7d · maths-pdf.fr/en/

Name: _____ Class: _____ Date: ____/____/____

This quiz has 10 multiple-choice questions on ordering rational numbers and absolute value (Common Core 6.NS.C.7). Choose one answer for each question and read the explanation to see the common mistake.

Grade 6 · Common Core State Standards: **6.NS.C.7a**, **6.NS.C.7b**, **6.NS.C.7c**, **6.NS.C.7d**

Questions

Question 1

Which inequality is true?

- A. $-4 > -1$
- B. $-4 < -1$
- C. $-1 < -4$
- D. $-4 > 0$

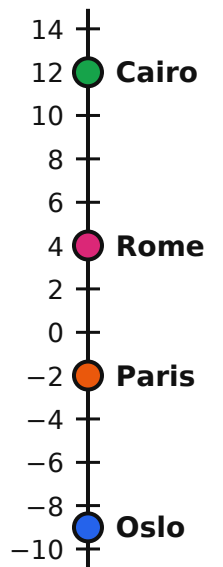
Question 2

What is $|-15|$?

- A. -15
- B. 0
- C. $\frac{1}{15}$
- D. 15

Question 3

The low temperatures (in degrees Fahrenheit) are Oslo -9 , Paris -2 , Rome 4 , and Cairo 12 . Which city had the coldest low?



Temperatures.

- A. Oslo
- B. Paris
- C. Rome
- D. Cairo

Question 4

Which number is the greatest?

- A. -2
- B. -0.2
- C. -0.5
- D. -1.2

Question 5

A diver is at -40 feet. What does $|-40|$ tell about the diver?

- A. The diver is 40 feet from the surface
- B. The diver is 40 feet above the surface
- C. The diver is at the surface
- D. The diver is -40 feet from the surface

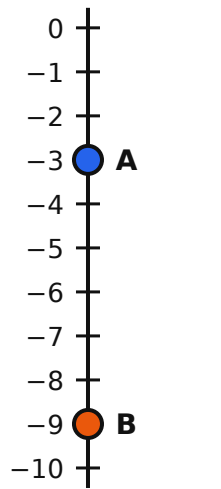
Question 6

Which comparison is true?

- A. $|-7| < |4|$
- B. $|-7| = |4|$
- C. $|-7| > |4|$
- D. $-7 > 4$

Question 7

The temperature is -3°F in Town A and -9°F in Town B. Which statement is correct?



Temperatures.

- A. Town A is colder because $-3 < -9$
- B. Town B is warmer because $9 > 3$
- C. Town B is colder because $-9 < -3$
- D. They are equally cold

Question 8

Which numbers have an absolute value of 6?

- A. 6 and -6
- B. 6 only
- C. -6 only
- D. 0 and 6

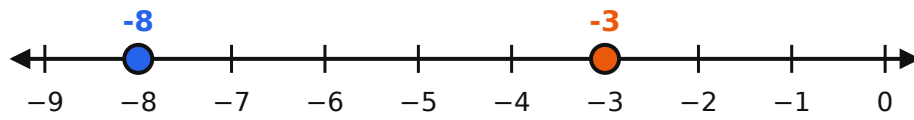
Question 9

Which is the least?

- A. -1
- B. $-\frac{3}{2}$
- C. $-\frac{1}{2}$
- D. 0

Question 10

Which statement describes $-8 < -3$?



Points.

- A. -8 is to the right of -3
- B. -8 is above -3 on a thermometer
- C. -8 is closer to 0 than -3
- D. -8 is to the left of -3

Answers

1. **B** – -4 is to the left of -1, so $-4 < -1$.
2. **D** – Absolute value is distance, which cannot be negative.
3. **A** – The lowest point on the thermometer is the coldest. -9 is less than -2, 4, and 12.
4. **B** – Among negatives, the one closest to 0 is greatest: -0.2.
5. **A** – Absolute value is a distance, so it is 40.
6. **C** – $|-7| = 7$ and $|4| = 4$, and $7 > 4$. But $-7 < 4$.
7. **C** – Lower on the thermometer means colder: $-9 < -3$.
8. **A** – Both 6 and -6 are 6 units from 0.
9. **B** – $-3/2 = -1.5$ is farthest left.
10. **D** – Smaller numbers are farther left.

Remember

- Numbers increase from left to right on a number line.
- Every positive number is greater than every negative number.
- Among negatives, the one closer to 0 is greater.
- Absolute value is the distance from 0, so it is never negative.
- A number can be less than another and still have the greater absolute value.