

Grade 6 - Ordering Rational Numbers and Absolute Value - Test

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 45-minute test has 9 questions worth 20 points. It covers comparing and ordering rational numbers, writing inequalities, absolute value, and real-world contexts (Common Core 6.NS.C.7). Show your reasoning.

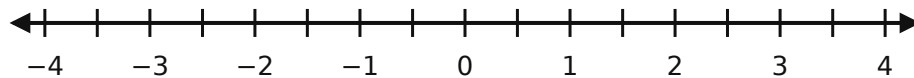
About this test

- Grade: Grade 6
- Chapter: Ordering Rational Numbers and Absolute Value
- Standards: 6.NS.C.7a, 6.NS.C.7b, 6.NS.C.7c, 6.NS.C.7d
- Time: 45 minutes
- Total: 20 points

Question 1 - Compare [2 pts]

- Compare -6 and -9 .
- Compare -0.4 and -0.04 .

Question 2 - Order [2 pts]



Number line.

Order from least to greatest: $1.5, -2, -0.5, 0$.

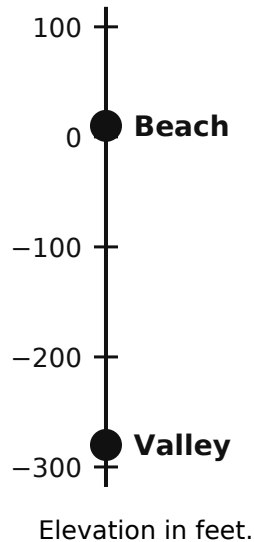
Question 3 - Absolute value [2 pts]

- $|-12|$
- $|7.5|$

Question 4 - Temperature [2 pts]

The temperature in Anchorage is -7°F and in Boston is -2°F . Write an inequality that compares the temperatures and tell which city is colder.

Question 5 - Elevation [2 pts]



A valley is at -280 feet and a beach is at +10 feet. Which has the greater elevation? Which has the greater absolute value?

Question 6 - Debt [2 pts]

Aisha owes \$15 and Jamal owes \$40. Write the amounts as integers, compare them with an inequality, and tell who owes more.

Question 7 - Equal distance [2 pts]

Write two numbers with an absolute value of 4.5, and explain how they are related.

Question 8 - Order with absolute values [3 pts]

Order from least to greatest: $|-6|$, -2 , $|3|$, $-|1|$.

Question 9 - Rank the scores [3 pts]

Player	Score
Noah	-4
Sofia	+1
Ethan	-7
Mei	-1

Game scores.

- Order the scores from least to greatest. (1 point)
- Who has the score with the greatest absolute value? (1 point)
- Write an inequality comparing Noah and Mei. (1 point)