

Name _____

Compare and Order Rational Numbers



COMMON CORE STANDARDS—6.NS.C.7a, 6.NS.C.7b Apply and extend previous understandings of numbers to the system of rational numbers.

Compare the numbers. Write < or >.

1. $-1\frac{1}{2} \bigcirc -\frac{1}{2}$ Think: $-1\frac{1}{2}$ is to the left of $-\frac{1}{2}$ on the number line,
so $-1\frac{1}{2}$ is less than $-\frac{1}{2}$.

2. $0.1 \bigcirc -1.9$

3. $0.4 \bigcirc -\frac{1}{2}$

4. $\frac{2}{5} \bigcirc 0.5$

Order the numbers from least to greatest.

5. $0.2, -1.7, -1$

6. $-2\frac{3}{4}, -\frac{3}{5}, -1\frac{3}{4}$

7. $-0.5, -1\frac{2}{3}, -2.7$

_____ < _____ < _____

_____ < _____ < _____

_____ < _____ < _____

Order the numbers from greatest to least.

8. $-1, -\frac{5}{6}, 0$

9. $1.82, -\frac{2}{5}, \frac{4}{5}$

10. $-2.19, -2.5, 1.1$

_____ > _____ < _____

_____ > _____ > _____

_____ > _____ > _____

Write a comparison using < or > to show the relationship between the two values.

11. an elevation of -15 m and an elevation of -20.5 m

12. a balance of \$78 and a balance of $-\$42$

13. a score of -31 points and a score of -30 points

Problem Solving



14. The temperature in Cold Town on Monday was 1°C . The temperature in Frosty Town on Monday was -2°C . Which town was colder on Monday?

15. Stan's bank account balance is less than $-\$20.00$ but greater than $-\$21.00$. What could Stan's account balance be?

16. **WRITE** *Math* Describe two situations in which it would be helpful to compare or order positive and negative rational numbers.
