

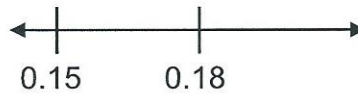


Student Name: _____ Date: _____

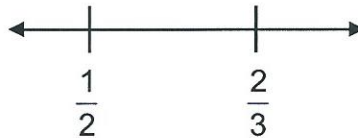
Round Robin: Compare and Order Rational Numbers

- Pass your paper to the person seated at your right and solve the first problem on the paper you have received. You may work with your group to solve the problem.
- Upon completion, pass the papers to the right again and solve the second problem. Again, you may work together to solve the problem.
- Continue this process for the remaining problem.

Problem 1: Name a fraction that lies between these two decimals on the number line.



Problem 2: Name a decimal that lies between these two fractions on the number line.

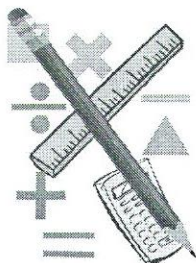


Problem 3: Name a mixed number that lies between these two percents on the number line.



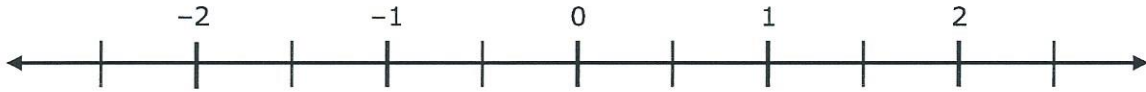
Communicating About Mathematics

How many decimals lie between 0.18 and 0.19 on the number line? Explain your reasoning.



Comparing and Ordering Numbers Notes Page

Two numbers that are the same distance from zero on a number line are called _____.



Describe how to compare and order fractions using each of the following methods. Then use the given method to solve the example problem.

Method	Example
Number Line	Order from least to greatest: $\frac{2}{5}, -\frac{3}{4}, \frac{1}{3}, -\frac{1}{4}, 2$.
Reasonableness	Compare $-\frac{3}{4}$ and $-\frac{3}{5}$.
Benchmark Fractions	Compare $\frac{2}{5}$ and $\frac{4}{7}$.
Common Denominators	Compare $\frac{2}{5}$ and $\frac{1}{8}$.
Calculator	Compare $-\frac{6}{11}$ and $-\frac{2}{3}$.

Communicating about Mathematics: Comparing Numbers

Explain how to order $-\frac{3}{4}$, $-\frac{5}{8}$, and $-\frac{9}{10}$ from least to greatest using words, numbers, symbols, and/or a number line.