

Name:

Date:

Period:

Lesson 7.2
Comparing & Ordering Rational Numbers

1. Complete this table.

Rational Numbers	Ordered from Least to Greatest	Opposites	Opposites Ordered from Least to Greatest
-7.1, -7.25	-7.25, -7.1	7.25, 7.1	7.1, 7.25
$\frac{1}{4}, -\frac{1}{2}$			
2, -10			
0, $3\frac{1}{2}$			
-5, -5.6			
$24\frac{1}{2}, 24$			
-99.9, -100			
-0.05, -0.5			
-0.7, 0			
100.02, 100.04			

- If two rational numbers, a and b , are ordered such that a is less than b , then what must be true about the order for their opposites: $-a$ and $-b$?
- Read each statement, and then write a statement relating the *opposites* of each of the given numbers:
 - 7 is greater than 6.
 - 39.2 is greater than 30.
 - $-\frac{1}{5}$ is less than $\frac{1}{3}$.
- Order the following from least to greatest: $-8, -19, 0, \frac{1}{2}, \frac{1}{4}$.
- Order the following from greatest to least: $-12, 12, -19, 1\frac{1}{2}, 5$.