

Lesson 7-2 • Apply Day

Reinforce Understanding

Opposites of Rational Numbers

I can place rational numbers, including fractions and decimals, on a number line.

Worked model

What number is the opposite of the opposite of -6.35 ? Use a number line to show your reasoning.

1. Locate the starting number. -6.35 sits 6.35 units to the left of 0.
2. First opposite: same distance, other side of 0. 6.35
3. Second opposite: flip back across 0. -6.35
4. The two flips undo each other, so you land on the number you started with.

Answer: The opposite of the opposite of -6.35 is -6.35 .

Practice

Complete each exercise. Show the reasoning that supports your answer.

1. Compare the new rational numbers -5 and 3 .

Complete each step, then write the final answer.

1. The number farther left is ____.
2. Write the comparison: ____.

Answer: _____

2. Compare the new rational numbers -4.4 and 2.75 .

Complete each step, then write the final answer.

1. The number farther left is ____.
2. Write the comparison: ____.

Answer: _____

3. Compare the new rational numbers -3.8 and 2.5 .

Complete each step, then write the final answer.

1. The number farther left is ____.
2. Write the comparison: ____.

Answer: _____