Lesson 10: Writing and Interpreting Inequality Statements Involving Rational Numbers

Problem Set

For each of the relationships described below, write an inequality that relates the rational numbers.

1. Seven feet below sea level is farther below sea level than feet below sea level.
2. Sixteen degrees Celsius is warmer than zero degrees Celsius.
3. Three and one-half yards of fabric is less than five and one-half yards of fabric.
4. A loss ofin the stock market is worse than a gain of in the stock market.
5. A test score of is worse than a test score of , and a test score of is worse than a test score of .
6. In December, the total snowfall was inches, which is more than the total snowfall in October and November, which was inches and inches, respectively.

For each of the following, use the information given by the inequality to describe the relative position of the numbers on a horizontal number line.

Fill in the blanks with numbers that correctly complete each of the statements.

1. Three integers between and
2. Three rational numbers between and
3. Three rational numbers between and
4. Three integers between and