

Name \_\_\_\_\_

Date \_\_\_\_\_

## Lesson 6: The Distance Between Two Rational Numbers

### Exit Ticket

Two 7<sup>th</sup> grade students, Monique and Matt, both solved the following math problem:

If the temperature drops from  $7^{\circ}\text{F}$  to  $-17^{\circ}\text{F}$ , by how much did the temperature *decrease*?

The students came up with different answers. Monique said the answer is  $24^{\circ}\text{F}$ , and Matt said the answer is  $10^{\circ}\text{F}$ . Who is correct? Explain, and support your written response with the use of a formula and a vertical number line diagram.