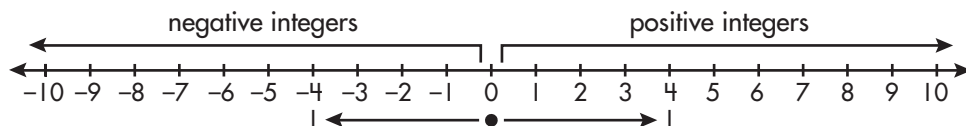# Lesson 4.4 Comparing and Ordering Integers

Integers are the set of whole numbers and their opposites.

Positive integers are greater than zero. **Negative integers** are less than zero. Zero is neither positive nor negative. A negative integer is less than a positive integer. On a number line, an integer and its opposite are the same distance from zero. The smaller of two integers is always the one to the left on a number line.
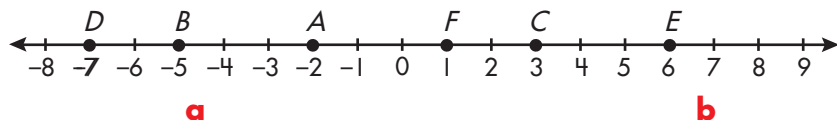

The opposite of 4 is −4. They are both 4 spaces from 0.

$$-7 < -2$$
−7 is to the left of −2.

$$-4 > -9$$
−4 is to the right of −9.

Use integers to name each point on the number line.

a	**b**	**c**
1. A _____	D _____	F _____
2. E _____	C _____	B _____

Use > or < to compare each pair of numbers.

3. 2 ☐ 7   −1 ☐ −4   5 ☐ 0

4. −4 ☐ 1   0 ☐ −8   −8 ☐ −10

5. 7 ☐ −7   −2 ☐ 0   4 ☐ 6

6. 1 ☐ −1   6 ☐ 3   −6 ☐ −3

7. 4 ☐ −2   −6 ☐ −4   3 ☐ −3

Order from least to greatest.

a	**b**
8. −3, −5, 0 _____	8, −8, 2 _____
9. 0, 5, −3, −7 _____	4, −1, 2, −2 _____
10. −6, 5, −2, −3, 2 _____	5, −8, −2, −3, 0 _____