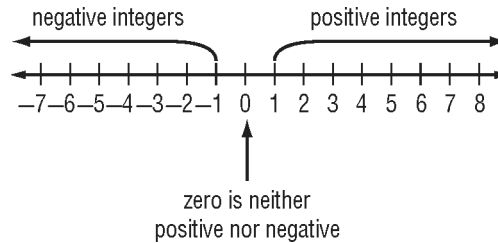# Lesson 1 Reteach

Integers and Absolute Value

Integers less than zero are **negative integers.** Integers greater than zero are **positive integers.**

zero is neither
positive nor negative

The absolute value of an integer is the distance the number is from zero on a number line. Two vertical bars are used to represent absolute value. The symbol for absolute value of 3 is |3|.
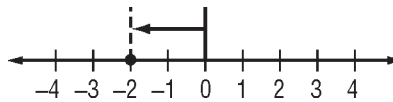

Example 1
Write an integer that represents 160 feet below sea level.

Because it represents *below* sea level, the integer is –160.

Example 2
Evaluate | –2 |.

On the number line, the point –2 is
2 units away from 0. So, | –2 | = 2.

Exercises
Write an integer for each situation.

1. 12°C above zero

2. a loss of $24

3. a gain of 20 pounds

4. falling 6 feet

Evaluate each expression.

5. | 12 |

6. | –150 |

7. | –8 | + 2

8. | 6 | + | 5 |

9. | –19 | – 17

10. | 84 | – | –62 |