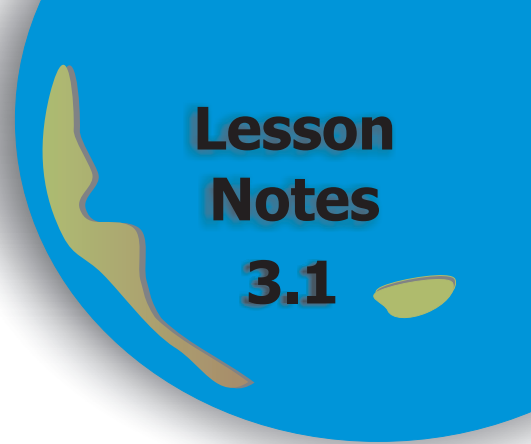


NAME \_\_\_\_\_

Module 3    Integers  
Lesson 1    Integers and Absolute Value



### Lesson Objectives

- Define negative integers.
- Find the absolute value of a number.
- Graph integers on a number line.
- Compare and order integers.

### Subtopic 1

#### Negative Numbers

Negative numbers are numbers that are less than zero.

- 1** Which number can represent 2,000 feet below sea level? **-2,000**
- 2** Which number can represent a loss of eight yards? **-8**
- 3** Which number can represent a mountain with an elevation of 1,705 feet? **+1,705**

### Subtopic 2

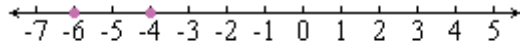
#### Opposite and Absolute Value

- Opposite numbers are numbers that are the same distance from zero on a number line but in opposite directions.
  - The absolute value of a number is the distance the number is from zero. The absolute value of negative five is written in symbols as **-5**.
  - Integers are the whole numbers and their opposites.
- 
- 4** What is the opposite of each number?  
          **-3    3**                                    **9    -9**
  - 5** What is  $|-23|$  and  $|64|$ ? **23 and 64**

### Subtopic 3 Compare Integers

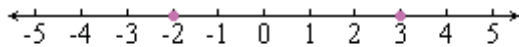
On a number line, the number to the left is less than the number to the right.

- 6** Compare -6 and -4. Write  $>$  or  $<$ .



$$-6 < -4$$

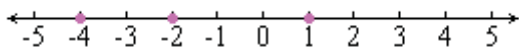
- 7** Compare -2 and 3. Write  $>$  or  $<$ .



$$-2 < 3$$

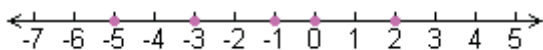
### Subtopic 4 Order Integers

- 8** Order -2, -4, and 1 from least to greatest.



$$-4, -2, 1$$

- 9** Order -1, 0, 2, -3, and -5 from least to greatest.



$$-5, -3, -1, 0, 2$$