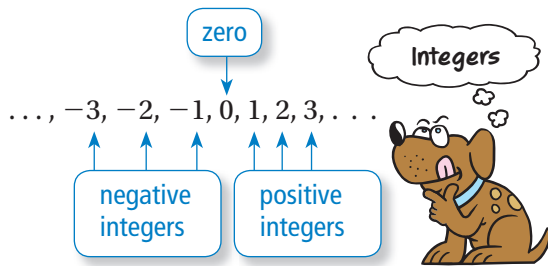


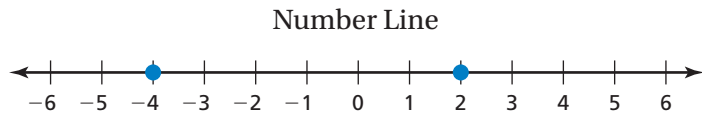
# REVIEW: Comparing, Ordering, and Graphing Integers

Name \_\_\_\_\_

## Key Concept and Vocabulary



## Visual Model



## Skill Examples

- $0 \leq 4$  "0 is less than or equal to 4."
- $-1 > -3$  " $-1$  is greater than  $-3$ ."
- $-2 < -1$  " $-2$  is less than  $-1$ ."
- $2 > -2$  " $2$  is greater than  $-2$ ."
- $3 \geq 2$  " $3$  is greater than or equal to  $2$ ."

## Application Example

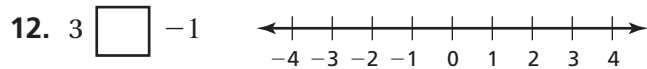
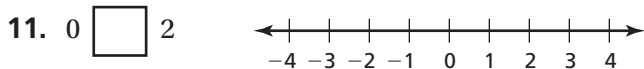
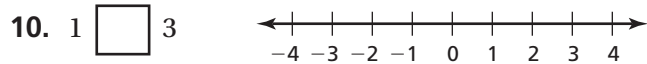
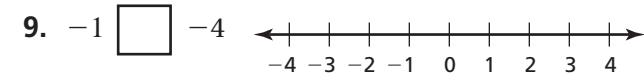
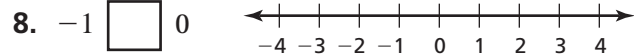
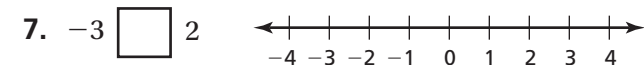
- The temperature in Seattle is  $4^{\circ}\text{F}$ .  
The temperature in Denver is  $-6^{\circ}\text{F}$ .  
Which temperature is greater?  
 $-6 < 4$  " $-6$  is less than  $4$ ."  
❖ The temperature is greater in Seattle.



## PRACTICE MAKES PURR-FECT®

Check your answers at [BigIdeasMath.com](http://BigIdeasMath.com).

Graph the two numbers. Then compare them using  $<$  or  $>$ .



Order the temperatures from least to greatest.

13.  $-5^{\circ}\text{F}$ ,  $13^{\circ}\text{F}$ ,  $0^{\circ}\text{F}$ ,  $5^{\circ}\text{F}$ ,  $2^{\circ}\text{F}$ ,  $20^{\circ}\text{F}$

14.  $7^{\circ}\text{C}$ ,  $-4^{\circ}\text{C}$ ,  $-11^{\circ}\text{C}$ ,  $0^{\circ}\text{C}$ ,  $8^{\circ}\text{C}$ ,  $-12^{\circ}\text{C}$

Use an integer to describe the real-life situation.

- |                           |                           |   |
|---------------------------|---------------------------|---|
| 15. A profit of \$5 _____ | 16. A depth of 8 ft _____ | 17. A decrease of $5^{\circ}\text{F}$ _____ |
| A loss of \$5 _____       | A height of 4 ft _____    | An increase of $8^{\circ}\text{F}$ _____    |

18. **BUSINESS LOSS** During its first week, a business had a loss that was greater than \$4, but less than \$6. Circle each integer that could represent this loss.

$-\$7$ ,  $-\$6$ ,  $-\$5$ ,  $-\$4$ ,  $-\$3$ ,  $-\$2$ ,  $-\$1$ ,  $\$0$ ,  $\$1$ ,  $\$2$ ,  $\$3$ ,  $\$4$ ,  $\$5$ ,  $\$6$ ,  $\$7$