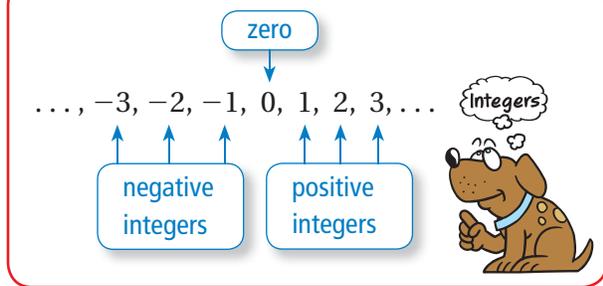


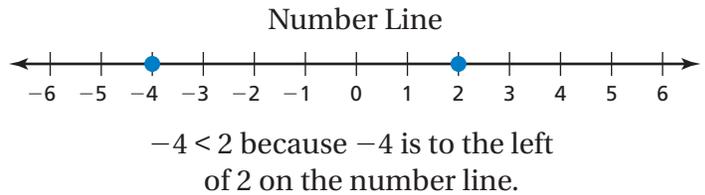
REVIEW: Comparing, Ordering, and Graphing Integers

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°F . The temperature in Denver is -6°F . Which temperature is greater?

$$-6 < 4 \quad \text{"-6 is less than 4"}$$

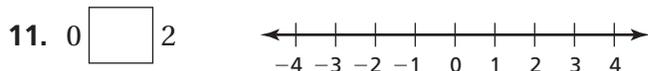
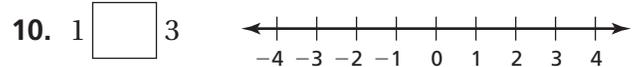
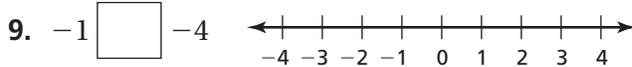
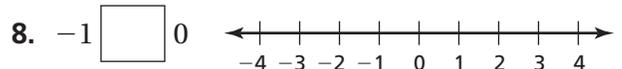
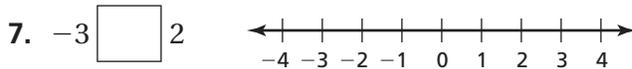
- ∴ The temperature is greater in Seattle.

PRACTICE MAKES PURR-FECT™



Check your answers at BigIdeasMath.com.

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



Order the temperatures from least to greatest.

13. -5°F , 13°F , 0°F , 5°F , 2°F , 20°F
- _____

14. 7°C , -4°C , -11°C , 0°C , 8°C , -12°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°F _____
 A loss of \$5 _____ A height of 4 ft _____ An increase of 8°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.

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