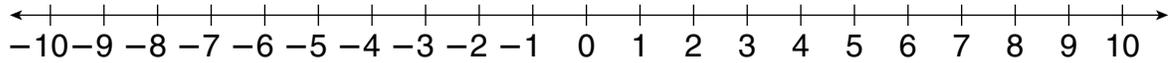


**LESSON**  
**9-2** **Practice B**  
**Comparing and Ordering Integers**

Use the number line to compare each pair of integers.  
 Write  $<$  or  $>$ .



1.  $10 \square -2$

2.  $0 \square 3$

3.  $-5 \square 0$

4.  $-7 \square 6$

5.  $-6 \square -9$

6.  $-8 \square -10$

Order the integers in each set from least to greatest.

7. 5, -2, 6

8. 0, 9, -3

9. -1, 6, 1

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

10. -8, -9, 9

11. 15, 1, -5

12. -4, -7, -2

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Order the integers in each set from greatest to least.

13. 8, -6, 4

14. -2, 1, 2

15. 0, 7, -8

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

16. -1, 1, 0

17. -12, 2, 1

18. -10, -12, -11

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

19. The lowest point in the Potomac River is 1 foot above sea level. The lowest point in the Colorado River is 70 feet above sea level. The lowest point in the Delaware River is sea level. Write the names of these three rivers in order from the lowest to the highest elevation.

\_\_\_\_\_

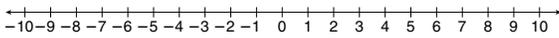
20. The lowest recorded temperature in Alabama was  $27^{\circ}\text{F}$  below zero. In Florida, the lowest recorded temperature was  $2^{\circ}\text{F}$  below zero. The lowest temperature ever recorded in Hawaii was  $12^{\circ}\text{F}$  above zero. Write the names of these three states in order from the highest to the lowest recorded temperatures.

\_\_\_\_\_

**LESSON Practice B**

**9-2 Comparing and Ordering Integers**

Use the number line to compare each pair of integers. Write  $<$  or  $>$ .



1.  $10 > -2$       2.  $0 < 3$       3.  $-5 < 0$   
 4.  $-7 < 6$       5.  $-6 > -9$       6.  $-8 > -10$

Order the integers in each set from least to greatest.

7. 5, -2, 6      8. 0, 9, -3      9. -1, 6, 1  
-2, 5, 6      -3, 0, 9      -1, 1, 6  
 10. -8, -9, 9      11. 15, 1, -5      12. -4, -7, -2  
-9, -8, 9      -5, 1, 15      -7, -4, -2

Order the integers in each set from greatest to least.

13. 8, -6, 4      14. -2, 1, 2      15. 0, 7, -8  
8, 4, -6      2, 1, -2      7, 0, -8  
 16. -1, 1, 0      17. -12, 2, 1      18. -10, -12, -11  
1, 0, -1      2, 1, -12      -10, -11, -12

19. The lowest point in the Potomac River is 1 foot above sea level. The lowest point in the Colorado River is 70 feet above sea level. The lowest point in the Delaware River is sea level. Write the names of these three rivers in order from the lowest to the highest elevation.

Delaware River, Potomac River, Colorado River

20. The lowest recorded temperature in Alabama was  $27^{\circ}\text{F}$  below zero. In Florida, the lowest recorded temperature was  $2^{\circ}\text{F}$  below zero. The lowest temperature ever recorded in Hawaii was  $12^{\circ}\text{F}$  above zero. Write the names of these three states in order from the highest to the lowest recorded temperatures.

Hawaii, Florida, Alabama

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**LESSON Practice C**

**9-2 Comparing and Ordering Integers**

Compare. Write  $<$  or  $>$ .

1.  $-99 < 97$       2.  $-1,876 > -1,877$       3.  $-1 < |-2|$   
 4.  $-75 < -7$       5.  $|+19| > 9$       6.  $205 > -204$

Order the integers in each set from least to greatest.

7. -15, -14, 20, -25      8. 16, -30, 0, -9      9. 78, -7, -8, 8  
-25, -15, -14, 20      -30, -9, 0, 16      -8, -7, 8, 78  
 10. 205, -20, -5,  $|+50|$       11. -78, -89, 78, 9      12. -55,  $|-2|$ , -60, 0  
-20, -5,  $|+50|$ , 205      -89, -78, 9, 78      -60, -55, 0,  $|-2|$

Order the integers in each set from greatest to least.

13. 12, -2, 10, -12      14. -13, -16, 6, -3      15. 99, -9, -99, 9  
12, 10, -2, -12      6, -3, -13, -16      99, 9, -9, -99  
 16. 28,  $|-8|$ , -8, 0      17. 37, -37, -38, 38      18. -111, -1, 1, 11  
28,  $|-8|$ , 0, -8      38, 37, -37, -38      11, 1, -1, -111

19. Four friends went scuba diving today. Ali dove 70 feet, Tim went down 50 feet, Carl dove 65 feet, and Brenda reached 48 feet below sea level. Write the four friends' names in order from the person whose depth was closest to the surface to the person whose depth was the farthest from the surface.

Brenda, Tim, Carl, Ali

20. Ted is comparing the temperatures of three days in January. The temperatures on Monday and Tuesday had the same absolute value. The temperature on Wednesday was neither positive nor negative. The temperature dropped below zero on Monday. Write the three days in order from the highest to the lowest temperatures.

Tuesday, Wednesday, Monday

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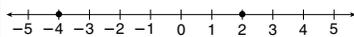
**LESSON Reteach**

**9-2 Comparing and Ordering Integers**

You can use a number line to compare and order integers.

As you move right on a number line, the values of the integers increase. As you move left on a number line, the values of the integers decrease.

Compare -4 and 2.

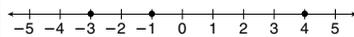


-4 is to the left of 2, so  $-4 < 2$ .

Compare the integers. Write  $<$  or  $>$ .

1.  $1 > -4$   
 2.  $-5 < -2$   
 3.  $-3 < 2$       4.  $-1 > -4$       5.  $5 > 0$       6.  $-2 < 3$

Order -3, 4 and -1 from least to greatest.



List the numbers as they appear from left to right.

The integers in order from least to greatest are -3, -1, 4.

Order the integers from least to greatest.

7. -2, -5, -1      8. 0, -5, 5      9. -4, 2, -3      10. 3, -1, -4  
-5, -2, -1      -5, 0, 5      -4, -3, 2      -4, -1, 3

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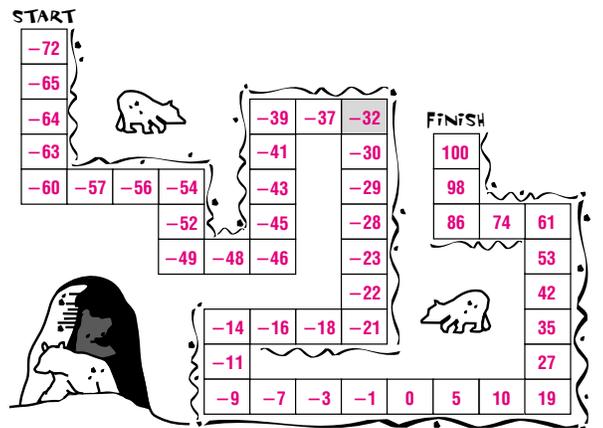
**LESSON Challenge**

**9-2 Integer Maze**

During winter, bears and many other animals hibernate, or go into a sleeplike state. When they do so, their body temperatures greatly decrease. How much can their temperatures change during hibernation?

Write the following integers along the maze so they are increasing from start to finish. The shaded box in the maze will have the answer to the question.

- 5, -14, -39, -3, 61, -60, -23, -72, -48, -11, 100, -45, 10, -57, -1, -29, -64, -37, 0, -65, 74, 98, -28, -7, -63, -49, -21, -54, 27, 53, -9, -32, -16, 35, -30, -18, -52, 86, -46, 42, -56, -41, -22, -43, 19



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