

**LESSON**

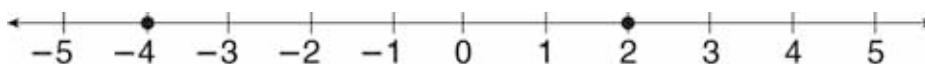
**Review for Mastery**

**1-4**

**Integers and Absolute Value**

Use a number line to compare and order integers.

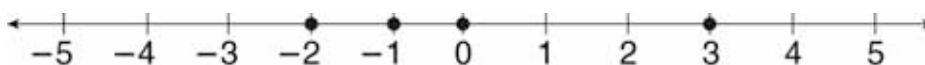
To compare 2 and -4, place each integer on a number line.



Because -4 lies to the left of 2, -4 is less than 2:  $-4 < 2$ .

Because 2 lies to the right of -4, 2 is greater than -4:  $2 > -4$ .

To order -1, 3, -2, and 0, place each integer on a number line.

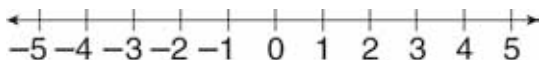


To order the integers from least to greatest, read the numbers as they appear in order from left to right on the number line.

From least to greatest: -2, -1, 0, 3.

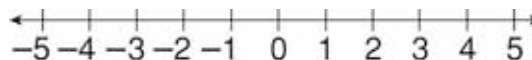
**Place the integers on the number line. Then use  $<$  or  $>$  to compare.**

1. 3 and -1



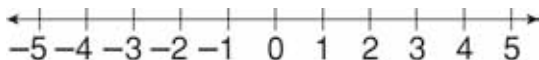
3 \_\_\_ -1

2. -1 and -4



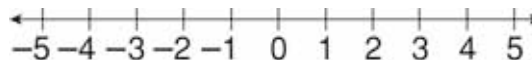
-1 \_\_\_ -4

3. -2 and 0



-2 \_\_\_ 0

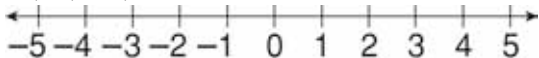
4. -5 and 2



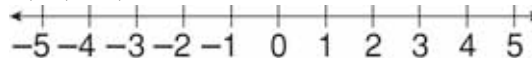
-5 \_\_\_ 2

**Place the integers on the number line. List in order from least to greatest.**

5. -3, 4, -5, 2



6. 0, 1, -4, -1



## LESSON 1-4

### Practice A

- |                             |               |
|-----------------------------|---------------|
| 1. -2, 0, 5                 | 2. -6, -4, 5  |
| 3. -2, -1, 6                | 4. 2, 8, 11   |
| 5. -5, 1, 6                 | 6. -7, -4, 3  |
| 7. -5, -3, 4                | 8. -5, -2, -1 |
| 9. -9, -3, 0                | 10. 3         |
| 11. -5                      | 12. 10        |
| 13. -7                      | 14. -12       |
| 15. 9                       | 16. 14        |
| 17. -16                     | 18. 4         |
| 19. 8                       | 20. 12        |
| 21. 7                       | 22. 6         |
| 23. 4                       |               |
| 24. $-2 < 1$ ; -2, -1, 1, 3 |               |

### Practice B

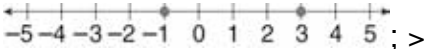
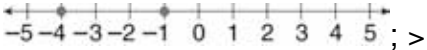
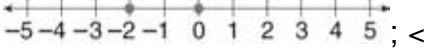
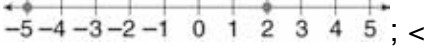
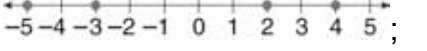
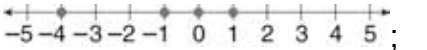
- |   |                 |
|---|-----------------|
| 1. -9, 3, 7                                   | 2. -6, -5, 2    |
| 3. -4, -1, 1                                  | 4. -11, -8, 2   |
| 5. -15, -12, 0                                | 6. -24, -17, 30 |
| 7. -14, -7, 16                                | 8. -16, -9, -7  |
| 9. -23, -19, -10                              | 10. 8           |
| 11. -6  | 12. 14          |
| 13. -29                                       | 14. 12          |
| 15. 24  | 16. 27          |
| 17. 13  | 18. 26          |
| 19. 0   | 20. 25          |
| 21. 39  | 22. 32          |
| 23. $6 > -3$ ; Game D, Game B, Game A, Game C |                 |

### Practice C

- |                 |                   |
|-----------------|-------------------|
| 1. $>$          | 2. $>$            |
| 3. $<$          | 4. $<$            |
| 5. -22, -7, 3   | 6. -19, -12, 0    |
| 7. -46, -21, 16 | 8. -31, -28, 12   |
| 9. -45, -42, 10 | 10. -34, -30, -14 |
| 11. 23          | 12. -41           |

- |  |         |
|--|---------|
| 13. 36   | 14. -57 |
| 15. 49   | 16. 85  |
| 17. 80   | 18. 43  |
| 19. 42   | 20. 10  |
| 24. $-15 > -18$ ; Wednesday, Tuesday, Thursday, Friday, Monday |         |

### Review for Mastery

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

### Challenge

- |         |         |
|---------|---------|
| 1. 8    | 2. -27  |
| 3. -36  | 4. 45   |
| 5. -14  | 6. 0    |
| 7. 12   | 8. 57   |
| 9. 20   | 10. -51 |
| 11. -25 | 12. -16 |
13. Yes. Possible answer: You can not find a positive integer on the number line to the left of 1.
14. No. Possible answer: You can always find an integer on the number line to the right of any given positive integer.
15. No. Possible answer: You can always find an integer on the number line to the left of any given negative integer.
16. Yes. Possible answer: You can not find a negative integer on the number line to the right of -1.