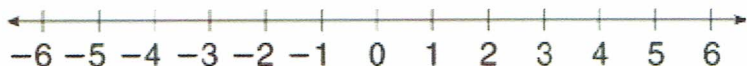


## LESSON

## 2

**Integers and the Coordinate Plane****Reading Strategies: Uses a Graphic Aid**

**Integers** are all the **positive** and **negative** whole numbers and zero. Use a number line to help you picture and compare integers.



1. Start at the left and move to the right on the number line. As you move from left to right, do integers increase or decrease in value?
2. Now start at the right and move to the left along the number line. As you move from right to left, do integers increase or decrease in value?

You can compare two numbers by their location on a number line.

**Compare  $-4$  and  $-2$ .  $-4$  is to the left of  $-2$ .**

$-4 < -2$   $\longrightarrow$  Read: " $-4$  is less than  $-2$ ."

$-2 > -4$   $\longrightarrow$  Read: " $-2$  is greater than  $-4$ ."

3. Start at  $-5$ . Move to  $-1$ . Did you move to the right or to the left?
4. Start at  $3$ . Move to  $-2$ . Did you move to the right or to the left?
5. Compare the locations of  $-3$  and  $3$  on the number line above.
6. Use  $<$  or  $>$  to compare  $-3$  and  $3$ .
7. Compare the locations of  $-1$  and  $-4$  on the number line above.
8. Use  $<$  or  $>$  to compare  $-1$  and  $-4$ .