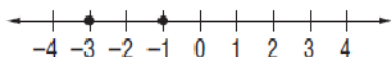


2-2**Study Guide and Intervention****Comparing and Ordering Integers**

When two numbers are graphed on a number line, the number to the left is always less than ($<$) the number to the right. The number to the right is always greater than ($>$) the number to the left.

Model**Words**

-3 is less than -1 . -1 is greater than -3 .

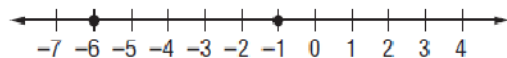
Symbols

$-3 < -1$ $-1 > -3$

The symbol points to the lesser number.

Example 1 Replace the \bullet with $<$ or $>$ to make $-1 \bullet -6$ a true sentence.

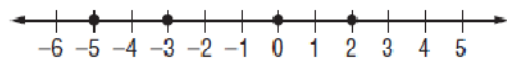
Graph each integer on a number line.



Since -1 is to the right of -6 , $-1 > -6$.

Example 2 Order the integers $2, -3, 0, -5$ from least to greatest.

To order the integers, graph them on a number line.



Order the integers by reading from left to right: $-5, -3, 0, 2$.

Exercises

1. Replace the \bullet with $<$ or $>$ to make $-5 \bullet -10$ a true sentence. $>$
2. Order $-1, 5, -3,$ and 2 from least to greatest. $-3, -1, 2, 5$
3. Order $0, -4, -2,$ and 7 from greatest to least. $7, 0, -2, -4$
4. Order $-3, |-2|, 4, 0,$ and -5 from greatest to least.
 $4, |-2|, 0, -3, -5$