NAME _____ DATE _____ PERIOD _____

2-9 Study Guide and Intervention

Integers and Graphing

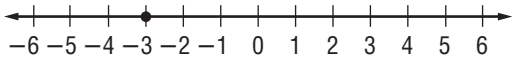
Negative numbers represent data that are less than 0. A negative number is written with a − sign. **Positive numbers** represent data that are greater than 0. Positive numbers are written with a + sign or no sign at all.

Opposites are numbers that are the same distance from zero on a number line, but in opposite

Example 1 **Write an integer to show 3 degrees below zero. Then graph the integer on a number line.**

Numbers *below zero* are negative numbers. The integer is −3.

Draw a number line. Then draw a dot at the location that represents −3.

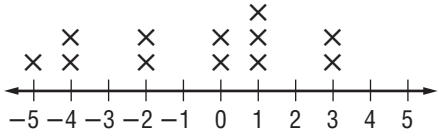


Example 2 **Make a line plot of the data represented in the table.**

Draw a number line. Put an × above the number that represents each score in the table.

Rachel's Summer Golf Scores			
0	+3	−4	−2
+1	+3	−4	0
+1	−5	−2	+1

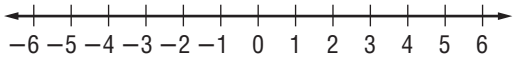
Rachel's Summer Golf Scores



Exercises

Write an integer to represent each piece of data. Then graph the integer on the number line.

1. 4 degrees below zero



2. a gain of 2 points

3. **BOOKS** The table shows the change in the ranking from the previous week of the top ten best-selling novels. Make a line plot of the data.

Novel	A	B	C	D	E	F	G	H	I	J
Change in Ranking	+3	−2	0	+1	−2	0	+2	−4	+1	−2

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