

# Key

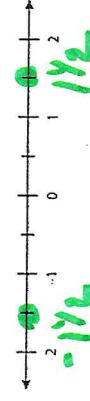
## Study Guide - Lesson 12 & 13

1. Mr. Abdelfatah wrote a number opposite of -7. What number did he write?

A. 7  
C. -7

B.  $\frac{1}{7}$   
D. 0

2. Graph  $1\frac{1}{2}$  and its opposite on the number line.



3. Write a positive or negative number to represent each situation.

a. 5000 feet above sea level 5000  
b. \$35.00 withdrawal -35.00  
c. 6 yard gain 6  
d. 20 drop in temperature -20

e. Target had a profit of 25.00 25

5. The table shows the record low temperatures of five states.

State	Michigan	California	New York	Ohio	Idaho
Temperature (in F)	-35	12	-15	-47	-26

~~-47, -35, -26, -15, 12~~  
Which list is ordered from greatest to least temperature?  
~~A. 47, -35, -26, -15, 12~~  
~~B. -47, -35, -26, 12, -15~~  
~~C. 12, -15, -26, -35, -47~~  
~~D. 12, -47, -35, -26, -15~~

6. What is the absolute value of:

$$|-1| = 1$$

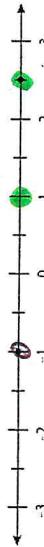
$$|2.5| = 2.5$$

4. On a day of the month in January, the temperature in Kalamazoo, Michigan was  $-15^{\circ}$  F and then Grand Rapids, Michigan was  $-4^{\circ}$  F.  
Write an inequality to compare  $-15^{\circ}$  F and  $-4^{\circ}$  F. Which city was colder?

Show your work

$$-4 > -15$$

Inequality \_\_\_\_\_  
Answer 1 °F is colder



-4 Grand Rapids  
-15 Kalamazoo