



Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

## Opposites

1. Write the opposite of “**up** 3 floors”. down 3 floors \_\_\_\_\_
2. Write the opposite of “**east** 3 miles”. \_\_\_\_\_
3. Write the opposite of “**spend \$20**”. \_\_\_\_\_

In Math, we use integers to represent opposites. For example, ‘**up** 3 floors’ would be written +3 or simply 3; ‘**down** 3 floors’ would be written -3. (Remember the negative **must** be shown but the positive sign is optional.)

4. Write the number that represents the given situation, then write its opposite.

example	number	opposite	example	number	opposite
Gain 10 pounds			6 miles north		
Lost 5 yards			20° below zero		
8 blocks west			1,000 ft. above sea level		
Withdrawing \$100			20% decrease		

5. Write the opposite of each integer.

-7    \_\_\_\_    2    \_\_\_\_    0    \_\_\_\_    -3    \_\_\_\_    14    \_\_\_\_    -17    \_\_\_\_

6. Explain how you know that -4 and 6 are not opposites.

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7. When opposite situations (or opposite numbers) are combined, what is the end result? For example, Jack goes 3 floors up in the elevator and then comes 3 floors down in the elevator.

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