Introduction to Integers

A. Choose the Correct Answer:

1.	1. Which of the following is the greatest integer?	
	a) —9	b) –1
	c) 0	d) 1
2.	What is the opposite of –15?	
	a) 15	b) —1
	c) –15	d) 0
3.	. Which number lies between –2 and 0?	
	a) —1	b) 1
	c) 2	d) –3
4.	Which number is smaller?	
	a) 0	b) –5
	c) —4	d) –3
5.	The number –7 is to the	of –4 on a number line.
	a) Right	b) Left
	c) Above	d) Below

B. Write the Missing Terms to Complete the Sentences:

- 1. The number 0 is _____ integer.
- 2. The opposite of +12 is _____.
- 3. All negative integers are _____ than 0.
- 4. –3 is _____ than –8.
- 5. On a number line, as we move left, the value of numbers _____.

C. Figure out the answers to these questions:

- 1. Arrange the following integers in ascending order: -3, 2, -7, 0, 5
- 2. Compare using >, <, or =: -4 ____ -9
- 3. Draw a number line and represent the integers -2, 0, and +3 on it.
- 4. Write all integers between –5 and 3.
- 5. What is the absolute value of -8? Explain in one line.
- 6. List five integers less than –10.

- 7. Name the integer that is:
 - a) 5 more than –3 b) 6 less than 2

D. Mark each sentence with a True (\checkmark) or False (X):

- 1. Zero is a positive integer.
- 2. –9 is greater than –5.
- 3. Integers include both positive and negative numbers.
- 4. The opposite of 0 is 0.
- 5. On a number line, the number on the left is always smaller than the one on the right.

E. Challenge yourself with these questions:

- 1. On a number line, which integer is exactly in the middle of -6 and 6?
- 2. A lift goes from the ground floor to 7th floor and then down to the 2nd basement. Write the movement in terms of integers.

- 3. Find three pairs of integers whose sum is 0.
- 4. If you move 5 steps left from -2 on a number line, where do you reach?
- 5. Write a short story problem using the concept of negative integers.
- F. Given below is a number line representing the integers? Look at it and answer the questions.



- 1. Write the integer for D, F, G.
- 2. Is E a positive integer or a negative integer?
- 3. Which integers are in the middle of A and H?
- 4. If point C is 5, which point is -5?
- 5. Which point marked on this number line has greater value?
- G. Which number in each of the following pairs is to the right of the other on the number line?

