



## Concept Check Worksheet

### Representation of Integers

Write an integer to represent each situation mentioned below:

1) James withdrew \$80 from his bank account.

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2) Harry adds 18 more toy cars to his collection.

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3) Kevin took 5 crayons to school and lost them all.

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4) Lillian received \$10 as pocket money from her dad.

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5) Mr. Johnson was fined \$13 as he failed to pay the telephone bill on time.

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6) Anna's vegetable patch yielded 26 tomatoes in all.

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7) Danny distributed 19 cupcakes to his friends on Thanksgiving Day.

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8) Jim's friend gave him 7 candies.

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9) Boston recorded a subzero temperature of  $31^{\circ}\text{F}$ .

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10) The University basket ball match team lost their 12 points lead in the final quarter of the match.

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## Opposite Integers

A) Write the opposite value of each integer.

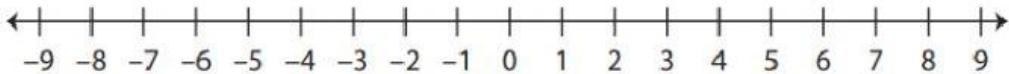
1) Opposite of 12 \_\_\_\_\_ 2) Opposite of  $-25$  \_\_\_\_\_

3) Opposite of  $-99$  \_\_\_\_\_ 4) Opposite of 4 \_\_\_\_\_

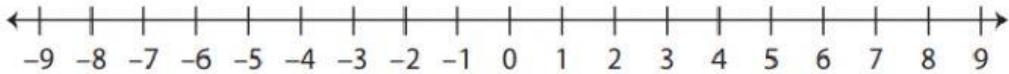
5) Opposite of 36 \_\_\_\_\_ 6) Opposite of  $-57$  \_\_\_\_\_

B) Mark each integer given below and its opposite value on the number line.

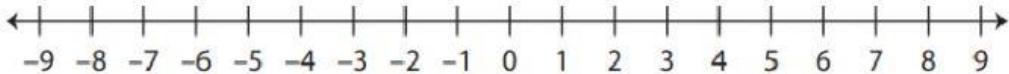
1) 2



2)  $-5$



3) 1



C) Evaluate each expression.

1) Opposite of  $-(-24)$  \_\_\_\_\_ 2) Opposite of  $+(-8)$  \_\_\_\_\_

3) Opposite of  $+(+15)$  \_\_\_\_\_ 4) Opposite of  $-(+33)$  \_\_\_\_\_

5) Opposite of  $+(-40)$  \_\_\_\_\_ 6) Opposite of  $-(-6)$  \_\_\_\_\_

I Evaluate the following integers: (absolute value)

- (i)  $|7|$
- (ii)  $|-15|$
- (iii)  $|7 - 15|$
- (iv)  $|7| + |-15|$
- (v)  $|7| - |15|$
- (vi)  $|15 - 7|$

II Evaluate the following: (absolute value)

- (i)  $|-7| + |+5| + |0|$
- (ii)  $|10| - |-15| + |+12|$
- (iii)  $-|+3| - |-3| + |-6|$
- (iv)  $|-8| - |17| + |-12|$