Introduction of Integer

1. Identify the smaller number in each of the following pairs.

A. 6, −6

B. 0, −7

C. −10, −4

D. 129, −356

2. Fill in the blanks using > or < to make the statement correct.

A. −8 [ ] −17

B. −9 [ ] 0

C. −548 [ ] −348

D. 0 [ ] 5

E. −20 [ ] 20

F. −61 [ ] 8

3. Choose the correct answer:−

A. The sum of any two integers is also an integer. This is defined in _____property.

i. Additive identity [ ]

ii. Associative [ ]

iii. Closure [ ]

B. If we add 0 to any integer, we get the _____integer.

i. differ [ ]

ii. same [ ]

iii. smaller [ ]

C. The sum of an integer and its opposite is .

i. 0 [ ]

ii. 1 [ ]

iii. −1 [ ]

D. Subtraction of integers does not follow the property.

i. Associative ☐

ii. Closure ☐

iii. Commutative ☐

E. The additive inverse of –5 is

i. 5 ☐

ii. 6 ☐

iii. –5 ☐

iv. 0 ☐

F. Which of the following shows the maximum decrease in temperature?

i. 9°C to –5°C ☐

ii. –7°C to 11°C ☐

iii. –7°C to 0°C ☐

iv. 0°C to 11°C ☐

G. The integer –3 lies

i. to the left of –2 ☐

ii. to the right of –2 ☐

iii. to the left of –4 ☐

iv. between –2 and 0 ☐

H. The next number in the pattern –35, –28, –21, is

i. 14 ☐

ii. –14 ☐

iii. 7 ☐

iv. 11 ☐

4. Indicate the following statements using integers with appropriate signs:–

A. Deposit of rupees six hundred fifty _____

B. Withdrawal of rupees eight hundred ninety _____

C. 500 below sea level _____

D. Profit of ₹ 190 _____

E. 30°C about 0°C temperature. _____

5. Arrange the following numbers in both ascending and descending order:

A. −4, 1, −5, 4, −7, 4 _____

B. 3, 6, −4, 0, −10, 2 _____
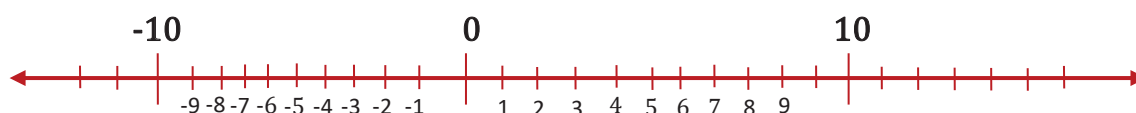
6. Write all integers between:–

A. 8 and 15 _____

B. 2 and −6 _____

C. −7 and −12 _____

D. 0 and −5 _____

Integers on Number line

1. Label the given Integers on the number line.

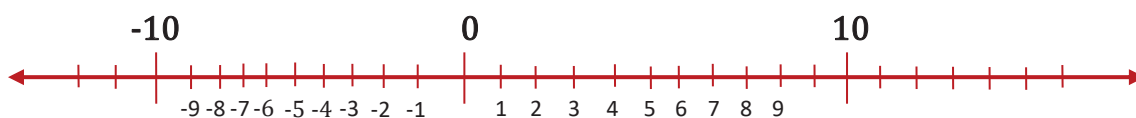| A. 2	F. −4
B. −2	G. 9
C. 4	H. −9
D. −6	I. −1
E. 8	J. 5

2. Using the number line, determine the integer being described below:

A. 5 units to the left of −3

B. 3 units to the right of 9

C. 2 units to the left o f 3

D. 5 units to the right of −10

E. 2 units to the right of 4

3. Using the number line to solve.

A. 4 + (−5)	B. −3 + 7	C. −1 + (−2)	D. 2 + (−5)
E. 6 + (−4)	F. −1 + (−4)	G. −6 + 12	H. −2 + 2