

# INTERNATIONAL INDIAN SCHOOL BURAIDAH

Worksheet for the Academic Year 2024-25

CLASS: VI SUBJECT: MATHEMATICS DATE: 04-09-2024

## LESSON:06 – INTEGERS

1. Represent the following numbers as Integers with appropriate signs:
  - a) A gain of 5 points
  - b) A withdrawal of ₹1000
  - c) A submarine at a depth of 600m below the sea level
  - d) A kite flying at a height of 100 feet from the ground level
2. Represent the numbers on the number line
  - a) 2
  - b) (-5)
  - c) (-3)
  - d) 6
  - e) (-10)
3. Compare the following numbers ( $<$ ,  $>$ ,  $=$ )
  - a) (-3)  (-4)
  - b) (-5)  0
  - c) (-15)  6
  - d) (-1)  (-11)
4. List all the integers (in ascending order) between the given pairs
  - a) 0 and -7
  - b) -56 and -49
  - c) -5 and 4
5. In each of the following pairs, which number lies to the right of the other on a number line?
  - a) 9, -10
  - b) -13, -12
  - c) 11, -11
  - d) 0, -17
6. Write the following integers in ascending order:
  - a) -32, 24, 0, -27, 31, -3, -10
  - b) 10, -10, 5, 0, -15, -25, 15
  - c) 100, -111, -99, 19, -999, 0, 9
7. Find the sum of the following integers:
  - a) -6, -14
  - b) 79, -100
  - c) -410, 500
  - d) -32, 20
8. Find the sum:
  - a)  $(-9) + (-11) + 16 + 5$
  - b)  $(-6) + (+10) + (-9) + (+3)$
  - c)  $(-5) + (-3) + 4$
9. Subtract the following:
  - a)  $(-32) - (-49)$
  - b)  $(-15) - (-11)$
  - c)  $72 - 81$

d)  $(-36)$  from  $-29$

e)  $81$  from  $2$

10. Fill in the blanks with  $<$ ,  $>$ ,  $=$

a)  $(-10) - (-11)$    $(-10) + 11$

b)  $1 - (-1)$    $(-1) - (1)$

c)  $10 - (-25)$    $10 - (25)$

11. Simplify the following:

a)  $(-10) - (3) + 7$

b)  $61 - (-51) + (-102)$

d)  $(-15) - 7 - (-20)$

12. Find the value using the number line:

a)  $(-4) + (-7)$

b)  $8 + (-6)$

c)  $(-2) - (+4)$

d)  $3 - (-4)$

**Answers:**

1. a)  $+5$       b)  $-1000$       c)  $-600$       d)  $+100$

3. a)  $>$       b)  $<$       c)  $<$       d)  $>$

4. a)  $-6, -5, -4, -3, -2, -1$       b)  $-56, -55, -54, -53, -52, -51, -50$

c)  $-4, -3, -2, -1, 0, 1, 2, 3$

5. a)  $9$       b)  $-12$       c)  $11$       d)  $0$

6. a)  $-32, -27, -10, -3, 0, 24, 31$

b)  $-25, -15, -10, 0, 5, 10, 15$

c)  $-999, -111, -99, 0, 9, 19, 100$

7. a)  $-20$       b)  $-21$       c)  $90$        $-12$

8. a)  $1$       b)  $-2$       c)  $-4$

9. a)  $17$       b)  $-4$       c)  $-9$       d)  $7$       e)  $-79$

10. a)  $=$       b)  $>$       c)  $>$       11. a)  $-6$       b)  $10$       c)  $-2$

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