

## VII Class

### INTEGERS

1.  $\{0, 1, 2, 3, \dots\}$  is the set of \_\_\_\_\_ numbers.
2.  $\{1, 2, 3, \dots\}$  is the set of \_\_\_\_\_ numbers
3.  $\{\dots, -3, -2, -1, 0, 1, 2, 3, \dots\}$  is the set of \_\_\_\_\_
4. Show  $-5 + 4$  on the number line.
5. Compare  $-58$    $-29$
6. The numerical value of the integer regardless of its sign is called its \_\_\_\_\_
7.  $|-49| =$  \_\_\_\_\_
8.  $|0| =$  \_\_\_\_\_
9.  $|143| =$  \_\_\_\_\_
10. Compare  $-20$    $2$
11. No. of integers between  $-10$  and  $2$  \_\_\_\_\_
12. Express '40 metres below sea-level' using integers \_\_\_\_\_
13. Write all integers between  $-40$  and  $-35$  \_\_\_\_\_
14.  $|x - 10| =$  \_\_\_\_\_ if  $x$  is less than 10.
15.  $|5 - x| =$  \_\_\_\_\_ if  $x$  is less than 5.
16.  $2 + (-6) =$  \_\_\_\_\_
17.  $-3 + (-4) =$  \_\_\_\_\_
18.  $-15 + 13 =$  \_\_\_\_\_
19.  $-27 + 53 =$  \_\_\_\_\_
20.  $-14 + 14 =$  \_\_\_\_\_
21. Sum of two negative integers is always a \_\_\_\_\_ integer.
22.  $10 - (-4) =$  \_\_\_\_\_
23.  $(+5) - (+7) =$  \_\_\_\_\_
24.  $(-4) - (5) =$  \_\_\_\_\_
25.  $-6 - (-8) =$  \_\_\_\_\_
26.  $0 - (10) =$  \_\_\_\_\_
27.  $(-2) \times 8 =$  \_\_\_\_\_
28.  $-5 \times 0 =$  \_\_\_\_\_
29.  $3 \times -13 =$  \_\_\_\_\_
30.  $-5 \times -12 =$  \_\_\_\_\_
31.  $2 \times [3 + (-5)] =$  \_\_\_\_\_
32.  $21 \div (-3) =$  \_\_\_\_\_
33.  $(-14) \div 2 =$  \_\_\_\_\_
34.  $(-18) \div (-6) =$  \_\_\_\_\_
35.  $(-20) \div (-20) =$  \_\_\_\_\_
36.  $27 \div (-1) =$  \_\_\_\_\_
37.  $10 \div (-10) =$  \_\_\_\_\_
38.  $-5 +$  \_\_\_\_\_  $= 0$
39. \_\_\_\_\_  $+ (-40) = 0$
40.  $(-36) + 36 =$  \_\_\_\_\_
41.  $20 + (-10) =$  \_\_\_\_\_

42. a)  $(-1)^3 = \underline{\hspace{2cm}}$  (b)  $(-1)^6 = \underline{\hspace{2cm}}$
43.  $(-4)^3 = \underline{\hspace{2cm}}$
44.  $5 + 7 + (-10) = \underline{\hspace{2cm}}$
45.  $(-13) + (-7) + 4 = \underline{\hspace{2cm}}$
46.  $3 + (-3) + 3 + (-3) + \dots + 300 \text{ times} = \underline{\hspace{2cm}}$
47.  $1 - 2 + 3 - 4 + 5 - 6 + \dots + 21 - 22 = \underline{\hspace{2cm}}$
48.  $(-20) \times (-30) \times (-10) = \underline{\hspace{2cm}}$
49. Product of 10 negative integers and 5 positive integers is  $\underline{\hspace{2cm}}$  (positive / negative)
50. cube of  $-11 = \underline{\hspace{2cm}}$  \51.  $(-2) \times (-2) \times (-2) \times (-2) \times (-2) = \underline{\hspace{2cm}}$
52. If  $a \times (-1) = -30$ , is the integer 'a' positive or negative?  $\underline{\hspace{2cm}}$
53.  $9 \times [7 + (-3)] = \underline{\hspace{2cm}}$
54. a)  $(-15)^2 = \underline{\hspace{2cm}}$   
 b)  $3^6 \div 3^5 = \underline{\hspace{2cm}}$

**Find the values of the following:**

55.  $20 - [15 - \{6 + (10 - 8)\}] = \underline{\hspace{2cm}}$
56. 3 of  $(6 + 9) = \underline{\hspace{2cm}}$
57.  $(-40)$  of  $(-1) + 28 \div 7 = \underline{\hspace{2cm}}$
58.  $2 - [2 - \{2 - (2 - 2 - 2)\}] = \underline{\hspace{2cm}}$
59.  $72 \div 4$  of  $6 = \underline{\hspace{2cm}}$
60.  $30 - 5 \times 2$  of  $3 + (19 - 3) \div 8 = \underline{\hspace{2cm}}$