

INTERNATIONAL INDIAN SCHOOL

BURAI DAH

Worksheet For The Academic Year 2025-26

CLASS: VI SUBJECT: Mathematics DATE: 13/02/2025

LESSON-10 The Other side of Zero

- 1) The smallest natural number is 1.
- 2) 0 is neither positive nor negative.
- 3) The sum of two negative integers is always negative.
- 4) On a number line negative numbers lie on the left side of zero.
- 5) The additive inverse of (i) -99 (ii) 11 (iii) -3 (iv) 8
- 6) Mark $>$ or $<$:
a) $-1 \underline{\hspace{1cm}} 0$ b) $0 \underline{\hspace{1cm}} 5$ c) $-5 \underline{\hspace{1cm}} -2$ d) $-15 \underline{\hspace{1cm}} -100$ e) $-4 \underline{\hspace{1cm}} 7$
- 7) Solve using a number line:
a) $(-4) + 7$ b) $(-4) + (-3)$ c) $(-4) - (-3)$ d) $(-3) + 7 + (-5)$ e) $(-6) + 2$
- 8) Write integers between (i) (-100) and (-105) (ii) 2 and (-3) in increasing order.
- 9) Solve:
a) $30 + (-50) + (-20)$ b) $0 + 5 - (-6) + (-7)$ c) $60 - 10 + 5 - (-5)$
d) $(-18) + 18$ e) $(-40) + (-180) + 250$ f) $(-214) + 65 + 104$
- 10) Using the digits 5,7,8 & 9 make an expression on addition & subtraction to get 5.
- 11) The sum of two integers is 35. If one integer is -12 , find the other integer.
- 12) Find six different integers whose sum is 7.
- 13) Use an unmarked number line to evaluate:
a) $(-100) + (-70)$ b) $50 + (-125)$ c) $120 + (-45)$
- 14) Use tokens to solve:
a) $4 + (-2)$ b) $6 - (-3)$ c) $(-2) + 2$ d) $(-7) - 5$

15) Fill in the blanks:

a) $(-6) + \underline{\quad} = 0$

b) $16 + \underline{\quad} = 0$

c) $14 + (-14) = \underline{\quad}$

d) $(-4) + \underline{\quad} = (-14)$

16) Complete the grid with:

a) Border sum 0

-1		1
	3	3

b) Border sum 5

2		4
	-1	3

17) Find the year (i) 2000 years after 160 BCE (ii) 260 years ago of 2080

18) Suppose you start with 0 rupee in your bank account and then you have
Debits Rs 5 , Rs 10 , Rs 20 , Rs 40 , Rs 80 , Rs 160 , Rs 320 and a single
Credit of Rs 600. Find the final balance in your account.

19) Match column A to B:

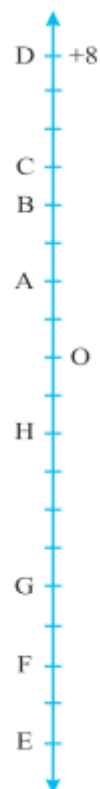
A	B
a) Additive inverse of -2	0
b) Greatest negative integer	-2
c) Smallest positive integer	2
d) An integer that is neither positive nor negative	-1
e) Greatest negative even integer	1

20) Write the following numbers with appropriate signs:

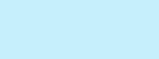
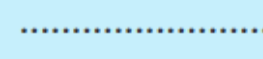
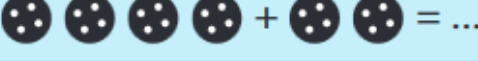
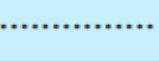
- (a) 100m below sea level.
- (b) 25°C above 0°C temperature.
- (c) 15°C below 0°C temperature.
- (d) Write any five numbers less than 0 .

21) Write the predecessor of 10,-5,12,0 & -17

22) Mark the corresponding integers for the letters given in the figure:



23) Complete the table on addition using tokens:

 +  = 	$(+3) + (+2) = +5$
 +  = 	$(-2) + (-1) = -3$
 +  = 	
 +  =	

ANSWERS

8) (i) -104, -103, -102, -101 (ii) -2, -1, 0, 1

9) a) -40 b) 4 c) 60 d) 0 e) 30 f) -45

10) $5 - 7 - 8 + 9$

11) 47

15) a) 6 b) -16 c) 0 d) -10

16) a)

-1	0	1
7		-4
-6	3	3

b)

2	-1	4
0		-2
3	-1	3

17) a) 1840 b) 1820

18) Rs (-35)

19) a) 2 b) -1 c) 1 d) 0 e) -2

20) a) -100 b) +25 c) -15 d) -1,-2,-3,-4,-5

21) 9,-6,11,-1,-18

22) A +2, B +4, C +5, H (-2), G (-6), F (-8), E (-10)