



INDIAN SCHOOL AL WADI AL KABIR
Class VII
INTEGERS – ADDITION, SUBTRACTION & PROPERTIES
Worksheet - 1

OBJECTIVE TYPE (1 Mark)

Q.1.	Sum of two negative integers is always:							
	A	Positive	B	0	C	Negative	D	1
Q.2.	A pair of integers whose sum (-9) is:							
	A	$6, -3$	B	$-3, 6$	C	$-3, -6$	D	$1, 8$
Q.3.	If the integers $12, -6, 8, -5, 7, -4, 3$ are marked on a number line, the one that comes on the extreme left is:							
	A	12	B	-4	C	-6	D	3
Q.4.	What is the additive inverse of the result obtained by subtraction of (-8) from the additive inverse of (-13) .							
	A	-21	B	-5	C	21	D	5
Q.5.	What is the difference between the greatest two-digit positive number and the smallest three-digit negative number?							
	A	199	B	110	C	1100	D	1098
Q.6.	By observing the number line, state which of the following statements is not true?							
	A	B is greater than -10	B	A is greater than 0	C	B is greater than A	D	B is smaller than 0
Q.7.	What is the sum of additive inverses of (-29) and 61 .							
	A	-90	B	-32	C	90	D	32

Q.8.	Name the property: - For any two integers a and b; $a + b = b + a$							
	A	Associative	B	Closure	C	Commutative	D	Identity
Q.9.	The sum of two integers is (-17). If one of them is (-7), find the other.							
	A	10	B	(-10)	C	(-24)	D	24
Q.10	What should be subtracted from (-876) to obtain (-512)							
	A	1388	B	364	C	(-1388)	D	(-364)
FILL IN THE BLANKS								
Q.11	Sum of an integer and its additive inverse is _____.							
Q.12	The greatest negative integer is _____.							
Q.13	Sum of (-22) and (-44) is _____.							
Q.14	The successor of (-99) is _____.							
Q.15	$1 + (-1) + 1 + (-1) + 1 =$ _____.							
SECTION B (2 Marks)								
Q.16	A green grocer had a profit of ₹47 on Monday, a loss of ₹12 on Tuesday and loss of ₹8 on Wednesday. Find his net profit or loss in 3 days.							
Q.17	Write down a pair of integers whose I. Sum is (-4) II. Difference is (-6)							
Q.18	The temperature on a certain morning is -11°C at 5am. If the temperature drops 3 degree at 6am and rises 5 degree at 8am and again drops 3 degree at 9am, what is the temperature at 9am?							
Q.19	Height of a place A is 1800 m above sea level. Another place B is 700 m below sea level. What is the difference between the levels of these two places?							
Q.20	One autumn morning the temperature went up from $(-4)^{\circ}\text{C}$ to 5°C a) By how many degrees did the temperature rise? b) During the afternoon the temperature then fell by 7°C from 5°C . What was the temperature at the end of afternoon?							
SECTION C (4 Marks)								
Q.21	State True and False a) The smallest positive integer is 1 b) The identity element for addition in integers is 1. c) The additive inverse of zero is the number itself. d) The sum of two negative integers is less than either of the addends.							

Q.22	Verify $a - (-b) = a + b$, for the following values of 'a' and 'b'							
	I. $a = 34, b = 73$							
	II. $a = 45, b = 30$							
Q.23	Find the value of the following:							
	a) $(-7) + (-8) + (-90)$							
	b) $50 - (-40) - (-2)$							
	c) $(-13) + 32 - (8) + 1$							
	d) $(-70) + 92 - (57) + 76 - (23)$							
Q.24	Fill in the blanks:							
	a) $(-8) + \underline{\hspace{2cm}} = 0$							
	b) $(-4) + \underline{\hspace{2cm}} = (-12)$							
	c) $\underline{\hspace{2cm}} - 15 = (-10)$							
	d) $[23 + (-12)] + \underline{\hspace{2cm}} = 23 + [(-12) + (-3)]$							
Q.25	Fill in the blanks using $>$, $<$ or $=$ sign							
	a) $(-21) + 10 - (-3) \square (-23) - (-5) + 10$							
	b) $(-3) + 6 + (-18) \square (-8) + (-12) - (-3)$							
ANSWERS								
Answers	Q.1	C) Negative	Q.2	C) $-3, -6$	Q.3	C) -6	Q.4	A) (-21)
	Q.5	D) 1098	Q.6	C) B is greater than A	Q.7	B) -32	Q.8	C) Commutative
	Q.9	B) (-10)	Q.10	D) (-364)	Q.11	0	Q.12	-1
	Q.13	(-66)	Q.14	(-98)	Q.15	1	Q.16	₹27
	Q.17	i) $(-9, 5)$ ii) $(-10, -4)$	Q.18	(-12)	Q.19	2500m	Q.20	a) 9°C , b) -2°C
	Q.21	a) True b) False c) True d) True	Q.22	i) 107, ii) 75	Q.23	a) -105 , b) 92, c) 12, d) 18	Q.24	a) 8, b) -8 , c) 5, d) -3
	Q.25	$=, >$						
