



# INDIAN SCHOOL DARSAIT

## DEPARTMENT OF MATHEMATICS



Subject : Mathematics	Topic : Integers(1)	Date of Worksheet :
Resource Person: Mrs Bhavya Vijelesh	Date : _____	
Name of the Student : _____	Class & Division : VII _____	Roll Number : ____

S.No.	Section A(Basic Skills)	Marks
1	Arrange in decreasing order: 9, -2, 3, -4, -7, 11, -9	1
2	Find the sum of : (a) 467 and -67 (b) -350, 50 and 450	1
3	Subtract: (a) -1249 from 5228 (b) 456 from -56	1
<b>Section B</b>		
4	State whether each of the following statement is true or false: (a) 0 is the successor of -1 in integers (b) 0 has on predecessor in integers (c) -2 is the predecessor of -1 (d) 0 is greater than every negative integer.	2
5	What will be the sign of the product, if we multiply together 19 negative & 9 positive integers	2
6	Verify $a - (-b) = a + b$ , if $a = 21$ and $b = 18$	2
7	Sini had Rs2000 in her account in March 2009. She deposited Rs 700 in the month of April 2009 and withdrew Rs 1000 in the month of May 2009. Find her balance.	2
8	Find the product using suitable property: (i) $(-45) \times (108)$ (iii) $7 \times (48 + 2)$ (v) $46 + (-79) \times (-46)$ (ii) $8 \times 48 \times (-125)$ (iv) $83 \times (-99) + (-83)$	2

9	Evaluate: (a) $(-450) \div (3 + 6)$ (c) $[(-16) + 12] \div [(-4) + 2]$ (b) $[(-48) \div 12] \div 2$ (d) $[46 \times 5 \times 0] \div 4$	3
10	At the end of the 5th round of a quiz competition, Sujatha's score was 115. In the final round, she lost 3 points each for 8 questions and gained 5 points each for 7 questions. What was her final Score?	3
11	Divya appeared in a competitive exam containing 100 questions in which 3 marks are given for every correct answer, 1 mark is deducted for each incorrect answer and 0 marks are awarded for unattempted questions. (a) Find Divya's score if she did not attempt 16 questions and got 70 correct and 14 incorrect answers. (b) If rank secured at 200 mark is 500 <sup>th</sup> , will she be ranked above or below 500?	3
<b>Section C(Hot Questions)</b>		
12	If we represent the distance above the ground by a positive integer and that below the ground by a negative integer, then answer the following. (a) An elevator descends into a mine shaft at the rate of 4m per minute. What will be its position after one hour? (b) If it begins to descend from 10m above the ground, what will be its position after 40 minutes from the ground?	3
13	In a freezer, the temperature falls by 2 <sup>o</sup> C every 5 minutes. In how much time water kept at 36 <sup>o</sup> C will freeze into ice?	3
14	A shopkeeper earns a profit of Rs 1 by selling one pen and incurs a loss of 40 paise per pencil while selling pencils of his old stock. (a) In a particular month he incurs a loss of Rs 5. In this period, he sold 45 pens. How many pencils did he sell in this period? (b) In the next month, he earns neither profit nor incurs a loss. If he sold 70 pens, how many pencils did he sell?	3
15	On her birthday, Nikitha had 60 balloons. She kept 12 balloons and distributed the remaining equally among her 8 friends. a) How many balloons did each of her friends get? b) What value does Nikitha show by this gesture?	3