



INDIAN SCHOOL DARSAIT
DEPARTMENT OF MATHEMATICS



Subject : Mathematics	Topic :Integers	Date of Worksheet :23/04/2019
Resource Person: Mrs Geetha Girish	Date : _____	
Name of the Student : _____	Class & Division :VII	Roll Number : __

S.No.	Section A(Basic Skills)	Marks
1	Find the additive inverse of -83.	1
2	What is the value of $(-22)-[(-23)-\{(-17)-(-61)\}]$	1
3	What should be subtracted from -9876 to obtain -9512?	1
Section B		
4	The temperature of a city is 4°C . Next day the temperature falls by 5°C . What is the temperature of the city next day?	2
5	Evaluate a. $(-100)\div 5$ b. $(-36)\div(-4)$ c. $(0)\div(-12)$ d. $[(-30)\div 5]\div 2$	2
6	A group of hikers is descending the mountain at a rate of 600 feet per hour. What is the change in elevation of hiker after 6 hours?	2
7	Find the value using suitable property. a) $125 \times 13 \times -8$ b) $449 \times (-55) + (-449) \times 45$ c) -38×101	3
8	Write down the pair of integers whose a. Sum is -4 b. Sum is 0	3

	c. Difference is 2	
9	<p>In a class test containing 15 questions, 4 marks are given for every correct answer and -2 marks are given for every incorrect answer,</p> <p>a) Teena attempts all questions, but only 10 of her answers are incorrect, what is her total score?</p> <p>b) One of her friends score (-4) mark in this test though she has got 8 correct answers. How many questions she has attempted incorrectly?</p>	
10	<p>In a test (+5) marks are given for every correct answer and (-2) marks are given for every incorrect answer and 0 for answer not attempted. Ram gets 3 correct and 4 incorrect out of 7 questions he attempted. What is his score?</p>	
Section C(Hot Questions)		
11	<p>Anna is a microbiology student. She was doing a research on optimum temperature for the survival of different strains of bacteria. Studies showed that bacteria X need optimum temperature of -31°C while bacteria Y need optimum temperature of -56°C. What is the temperature difference?</p>	3
12	<p>A divers descends 20 feet in the water from the boat at the surface of a lake. He then rose 12 feet and descends another 18 feet. At this point what is his depth in water?</p>	3