

New Era High School, Panchgani

Assignment 1

Class VII

Subject	Mathematics
CHAPTER	Integers
TIMELINE	1 Week (27 th April to 2 nd May)
Topics	<ul style="list-style-type: none">• Recall integers(activity)• Addition and subtraction of integers• Multiplication of integers• Division of integers
Activity	<p>Revision of Integers: Any staircase can be used for this activity.</p> <p style="text-align: center;">Step 1: Number the stairs starting from the bottom as 6, 5, 4, 3, 2, 1, 0, -1, -2, -3, -4, -5, -6</p> <p style="text-align: center;">Step 2: Ask your parents to choose a number between 0 to 9 and say whether it has to be added or subtracted from the step that you are standing on.</p> <p style="text-align: center;">Step 3: Climb the number of steps after adding or subtracting numbers suggested by your parents</p> <p style="text-align: center;">Step 4: note the answers</p>
Submission	<p>Students should solve the worksheet attachment and submit by May 2, 2020</p> <p>For the queries, you may contact me on sanket.dhoke@nehs.in</p> <p>the hard copy to be submitted as and when you report to the school</p> <p>Please note the above activities are part of your internal assessment and it is mandatory.</p>
Moral values	<p>An integer is a collection of a positive and negative number. Do not underestimate any number, all are unique. The value increases from left to right. People around us are unique we should not underestimate anybody.</p>
Resource	<p>Class VI textbook of Mathematic by N.C.E.R.T</p> <p>To download the textbook click the link below</p> <p>http://ncert.nic.in/textbook/textbook.htm?gemh1=0-15</p>

Questions	<p>1. The following are the temperatures of some cities in India. Arrange these cities on the number line as per their temperature.</p> <p>a) Delhi 25°C b) Mumbai 30°C c) Ooty 10°C d) Shrinagar -5°C f) Gangtok -15°C</p> <p>2. Use the sign of $<$, $>$ or $=$ in the blank space to compare.</p> <p>a) $-8 - 5$ _____ $13 - 10$ b) $-17 - 12$ _____ $-9 - 20$ c) $-3a + 5a$ _____ $15a - 13a$</p> <p>d) $4b - 3a$ _____ $-3a + 4b$</p> <p>3. Write down a pair of integers whose</p> <p>a) Sum is -15 b) Difference is -3 c) Sum is 0 d) sum $+7$ e) Difference is $+17$</p> <p>4. Solve the following.</p> <p>a) $-5 + 4 - 3 - 6$ b) $-9 - 10 + 15 - 12$</p> <p>5. Multiply the following integers.</p> <p>a) -4 and $+5$ b) -3 and -5 c) -11, $+12$ and -14 c) -9, -9 and $+8$</p> <p>6. Write additive and multiplicative of the following integers.</p> <p>a) -12 b) $+5$</p> <p>7. Divide the following integers.</p> <p>a) $72 \div (-8)$ b) $(-37) \div (-1)$ c) $(-34) \div (-17)$</p> <p>8. Find the product and find the sum.</p> <p>a) $(-12) \times (-5) + 8 \times (-7)$ b) $(-13) \times 2 - (-5) \times (-5)$</p>
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Subject Teacher: Mr. Sanket Dhoke
