Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_\_\_\_\_\_ Period: \_\_\_\_\_ Date: \_\_\_\_\_

**1.0B Intro to Using Integers\_Classwork**

Objective: Students will be able to use real-life application to explore integers

 CC.SS.7.NS.1 and CC.SS.7.NS.3

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| 1. What is a thermometer? How do you use a thermometer?
2. How can you describe to your friend about the temperature outside using descriptive words?
3. How can you describe to your friend about the temperature outside using numerical values?
 |
|  |
| https://lh6.googleusercontent.com/JJ1juKRcPMM84mAnnQIMsjNJK8AKLQvQLvLB_gdJ9KyD8Lo_PkpIJ9ZBP5aJ4clDSgaz28HyJJglXiod6rv2HW3syDLA_qGy-nXll4fEJnFgLrzW8Lp9SP2m0uopB_cd4H_heL3m?downloadUse the themometer to help you answer the questions  | 1. Use colder/hotter and less than/greater than to describe each problem.
2. $-14 F° is \\_\\_\\_\\_\\_\\_\\_\\_\\_ than -6°, and-14 is \\_\\_\\_\\_\\_\\_\\_\\_\\_ \\_\\_\\_\\_\\_\\_\\_\\_\\_ -6$
3. $-6 F° is \\_\\_\\_\\_\\_\\_\\_\\_\\_ than -14, and-6 is \\_\\_\\_\\_\\_\\_\\_\\_\\_ \\_\\_\\_\\_\\_\\_\\_\\_\\_ -14$
4. Put these temperature in order from smallest to largest (or coldest to warmest)

38°,  70°,  -10°,  15°,  -6°,  45°, 0°\_\_\_\_\_, \_\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_1. Which of the temperatures are positive?
2. Which of the temperature are negative?
3. Is 0 a positive or negative number?
 |
| What is Absolute Value?* Absolute Value is the distance from zero on a number line.
* Distance is always *positive*.
* Absolute value symbol is |$^{}$|.

For each problem you need draw a diagram to explain each answer.

|  |  |
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| Example 1: |-3| | Example 2: |4| |
| Practice 1: |6| | Practice 2: |$-9|$ |

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Homework: page 7

<https://kttmc.weebly.com/uploads/2/1/2/7/21275598/real_life_exampl_common_core.pdf>

Resources:

<http://map.mathshell.org/download.php?fileid=1625>

<https://www.oercommons.org/authoring/13198-integers-introduction-to-the-concept-with-activiti/1/view>