Name Date

Integers

Chapter

1

1. Your teacher has asked you to help Alec, a transfer student, who missed   
the teaching of absolute value and operations with integers. You agree to help him and you plan to work together at the library after school. Create a poster to help teach this concept to Alec. You must include:

a. Choose two sample problems to do with Alec to introduce him to the concept of absolute value of integers. Write a description of how you could use a number line to solve the sample absolute value problems.

b. Choose four sample problems to do with Alec to introduce him to the concepts of addition, subtraction, multiplication, and division with integers.

c. Include the definition of the absolute value of an integer, and the sample problems used in part (a). Include the rules for operations with integers and the sample problems used in part (b).

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Name Date

Alternative Assessment Rubric

Chapter

1

|  |  |  |  |
| --- | --- | --- | --- |
| Score | Conceptual Understanding | Mathematical Skills | Work Habits |
| 4 | Shows complete understanding of:   * using a number line as a conceptual model for representing integers * operations with integers * absolute value of integers | Explains all integer operation concepts and rules correctly.  Operational models represent given operations exactly. | Answers all parts of each problem.  Work is neat and well organized. |
| 3 | Shows nearly complete understanding of:   * using a number line as a conceptual model for representing integers * operations with integers * absolute value of integers | Explains most integer operation concepts and rules correctly.  Operational models represent given operations adequately. | Answers all parts of each problem.  Work is neat and easy  to follow. |
| 2 | Shows some understanding of:   * using a number line as a conceptual model for representing integers * operations with integers * absolute value of integers | Explains some integer operation concepts and rules correctly.  Operational models do not represent given operations adequately. | Answers all parts of each problem.  Work is sloppy and hard  to follow. |
| 1 | Shows little understanding of:   * using a number line as a conceptual model for representing integers * operations with integers * absolute value of integers | Does not explain integer operation concepts and rules correctly.  Operational models do not represent given operations. | Does not answer all parts  of each problem.  Work is sloppy and hard  to follow. |