

Math Journal - Chapter 9 - Integers

- 9.01 Choose any 5 negative numbers. Create a situation to describe each integer.
- 9.02 Create a flow map to walk a student through the process of comparing and ordering integers. Use a model/example. Write a "how to" paragraph or booklet.
- 9.03 Use a coordinate plane. Draw a picture. Plot and record important coordinates. Have a friend reproduce your picture.
- 9.04 Write a paragraph that gives an educated opinion as to why there are different rules (algorithms) for the addition of positive integers and the addition of negative integers.
- 9.05 Create a model to show that the difference between two negative numbers can be a positive number. Explain your model.
- 9.06 The extension for this lesson @ Math6.org will introduce you to Function Tables. It is very easy and very valuable. Complete this extension OR Create a table to show the sign of a product of 2 negative numbers...3 negative numbers ... 4 negative numbers and 5 negative numbers. Write a single sentence summary to discuss your findings.
- 9.07 The extension for this lesson @ Math6.org will take you from the Function Tables to graphing lines on the Coordinate Plane. It is very easy and very valuable. Complete this extension OR examine the table on page 479. Write a exposition style paragraph to discuss why both positive and negative numbers are needed when tracking changes in population. (Intro - Body - Conclude)
- 9.08 Write a 3 paragraph persuasion exposition to convince the student body that there is a need for integers in our number system.

General Scoring Rubric:

- 0 No Response
- 1 Wrong response
- 2 Weak response
- 3 Showed understanding
- 4 Showed understanding and cited an example
- 5 Showed understanding, cited examples and communicated effectively enough to enable others to understand.