

Math Journal - Chapter 1 - The Whole Number Toolbox

- 1.01 Make a double bubble map to compare and contrast the process for rounding and the process for comparing whole numbers. Write a comparison/contrast paragraph about these processes.
- 1.02 To estimate with division, you should look at the divisor first. Create a proper journal entry (restate, explain, give examples) to explain why you should work on the divisor first.
- 1.03 5th graders often get confused about exponents. Many times they think that it is a fancy way to write a multiplication problem. Create a poster or brochure to help fifth graders understand that exponents are repeated multiplication.
- 1.04 Use the order of operations and add parenthesis to the expression; $4 + 6 * 3 \div 2 - 1$ so that you get at least 4 different correct answers. Show your solution steps for each evaluation.
- 1.05 Create a poster to define and model each of the multiplication properties. Then, choose the property that you think is the most valuable for day to day mathematics and write a persuasive paragraph to help others understand why they too should believe as you do.
- 1.06 Create a double bubble map to help compare and contrast mental math with compatible numbers and compensation. Write a 5 sentence compare and contrast paragraph to detail your conclusions.
- 1.07 Create a rule for a sequence, then present the first six entries for your sequence. (Make a couple of extra copies to test your pattern out on a few of your classmates.)
or complete the Math6.org extension - Use Excel to find patterns.

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.