

First Draft Due: Monday, February 13th in class (typed hard copy)

Final Draft Due: Monday, February 20th in class (e-copy in email AND typed hard copy)

Number Theory: DIVIDING FRACTIONS

You may know how to go through the “flip and multiply” process in order to determine that

$$\frac{2\frac{1}{3}}{\frac{1}{2}} = 4\frac{2}{3}.$$

But do you really understand it?

Your task:

- I. Start with an opening paragraph that introduces the equation to be explained and that briefly articulates what you will be doing. You should phrase the division problem as a question about portions.
- II. Provide an image of your own design as an illustration of the equation. (half-page max)
- III. Explain in detail what the image illustrates, and every logical or mathematical step in arriving at the solution to the division problem. Do not use the “flip and multiply” process.
- IV. End the explanation with a summary paragraph.
- V. Write a story that uses the equation you explained. It is usually easiest to do this by involving some continuous quantity like fluids or powders (as opposed to discrete quantity like objects).

Do this in no more than three complete pages without unreasonable margins, line spacing, or image sizes.

Papers will be graded with the 5 items above in mind in addition to appropriate formatting, punctuation, grammar, and – most importantly – style.

See Writing Guidelines for more details.

Final drafts will be checked for plagiarism.