Scientific Notation II: The Mantissa

To Start:

1) Go to http://aspire.cosmic-ray.org/javalabs/java12/SciNot/ in your internet browser.

2) Click on "Student Lab" underneath the "Scientific Notation II: The Mantissa" section.

3) Read the introduction and discuss with your lab partner ways that you think the first digit of large numbers could be easily represented. Write down some of your ideas.

4) Read the problem setup. Does this information give you some new ideas about how to represent the first digit? If so, write your ideas down here:

5) Read the tutorial. Does this form of representing the first digit of large numbers make sense to you? When you brainstormed with your partner, did you think of something similar?

Interactive Lab:

1) Read the instructions for the lab.

2) Play around with the lab until you think you have a good grasp of scientific notation. Make sure you understand! You'll be quizzed later.

3) Think you know it? Go to the next lab and read the instructions.

4) When the lab starts out, you will be given one of the answers. On the data table the teacher has handed out to you, enter the answer that was given to you in the appropriate category. Place a check mark in the box next to the category that was given to you.

5) Fill in the rest of the entries on the first line based on what you know from the previous lab.

6) Fill out one line on the data table for every problem you try.