

Problem Set

1. Write the number 68,127,000,000,000 in scientific notation. Which of the two representations of this number do you prefer? Explain.
2. Here are the masses of the so-called inner planets of the solar system.

Mercury:	3.3022×10^{23} kg	Earth:	5.9722×10^{24} kg
Venus:	4.8685×10^{24} kg	Mars:	6.4185×10^{23} kg

What is the average mass of all four inner planets? Write your answer in scientific notation.