

Name _____

Date _____

Scientific Notation Addition and Subtraction - Step-by-Step Lesson

Find the sum of:

$$9 \times 10^5 + 4.5 \times 10^6$$



Explanation:

$$9 \times 10^5 + 4.5 \times 10^6$$

The first thing that you want to do is to get all of the powers of ten to the same exponent. Since these are all powers of ten you can easily slide up and down by just moving the decimal point.

$$= 0.9 \times 10^6 + 4.5 \times 10^6$$

To make all the exponents to the power 10^6 we just need to slide the decimal point of 9 to the left once.

$$= (0.9 + 4.5) \times 10^6 \quad \text{Now, we just need to combine the constants.}$$

$$= 5.4 \times 10^6$$

