Scientific Notation

$$2.3 \times 10^2$$

1. Convert the following to scientific notation:

    2,000,000   400, 000

    60   90,000,000

2. Light travels at a speed of approximately 300,000,000 meters per second. There are a little less than 90,000 seconds in a day. Using these estimations, approximately how far has light traveled in a day?

    A. What was different about this problem?

    B. How does your calculator deal with this new challenge?

3 Practice using scientific notation with the following numbers:

    230,000   6.800,000

    3.5×10^6 7.432×10^2

4. Is this statement true or false?

    A. How do you multiply in scientific notation?

    B. Multiply the following numbers (the star indicates multiplication):

    $4 \times 10^6 * 2 \times 10^3$ $2 \times 10^3 * 2 \times 10^3$ $3 \times 10^4 * 3 \times 10^4$