8.4	Use Scientific Notation
текз а.1; 8.1.D	
Before	You used properties of exponents.
Now	You will read and write numbers in scientific notation.
Why?	So you can compare lengths of insects, as in Ex. 51.

Key Vocabulary scientific notation

Numbers such as 1,000,000, 153,000, and 0.0009 are written in *standard form*. Another way to write a number is to use *scientific notation*.

KEY CONCEPT		For Your Notebook
Scientific Notation		
A number is written in where $1 \le c \le 10$ and n	n <mark>scientific notation</mark> when	it is of the form $c \times 10^n$
where $1 \ge 0 < 10$ and n	is all integer.	
Number	Standard form	Scientific notation
Number Two million	Standard form 2,000,000	Scientific notation $2 imes 10^6$



1. Write the number 539,000 in scientific notation. Then write the number 4.5×10^{-4} in standard form.

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