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DATE _____

Module 11 Simplifying Algebraic Expressions
with Polynomials
Lesson 2 Using Scientific Notation



**guided
practice**

Set 1

1. The distance from New York to Los Angeles is about 1.77×10^8 inches. Write this number in standard form.

2. The mass of a snowflake is 3×10^{-6} kilograms. Convert this number to standard form.

3. The temperature in the core of the sun is 27,000,000 degrees Fahrenheit. Write this number in scientific notation.

4. The length of an adult fruit fly is 0.004 of a meter. Write this length in scientific notation.

Set 2

1. A computer signal travels at a rate of 2.6×10^{10} centimeters per second. How far does the signal travel in 6×10^{-9} seconds?

2. An atomic clock loses one second every 2×10^7 years. How much time will the clock lose in 100 years?

