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Scientific Notation Lesson 1-6

- A number in **scientific notation** is written as the product of a factor that is at least one but less than ten and a power of ten.

Example 1: **Write 8.65×10^{7} in standard form.**	**Example 2:** **Write 9.2×10^{-3} in standard form.**
Example 3: **Write 76,250 in scientific notation.**	**Example 4:** **Write 0.00157 in scientific notation.**

Independent Practice:

Write each number in standard form.

1. 5.3×10^1

2. 9.4×10^3

3. 7.07×10^5

4. 2.6×10^{-3}

5. 8.651×10^{-2}

6. 6.7×10^{-6}

Write each number in scientific notation.

7. 561

8. 14

9. 56,400,000

10. 0.752

11. 0.0064

12. 0.000581

13. Which number is greater: 3.5×10^4 or 2.1×10^6?

14. SOLAR SYSTEM: Pluto is 3.67×10^9 miles from the Sun. Write this number in standard form.

15. DISASTERS: In 2005, Hurricane Katrina caused over $125 billion in damage in the southern United States. Write $125 billion in scientific notation.