

Name: _____ Date: _____ Period: _____

Scientific Notation

- Scientists use scientific notation to write _____ and _____ numbers.
- The most common number that is raised to an exponent is _____

$$5.48 \times 10^5$$

↑ ↑ ← _____

When the exponent is _____, that means the number is _____ than 1.

When the exponent is _____, that means the number is _____ than 1. (it is a _____)

Write 7,030,000 in scientific notation:

First write the _____

It must be a number between _____

Then count how many places the decimal point was moved

That is the _____ we put on the 10

Write 0.00065 in scientific notation:

First write the coefficient

It must be a number between 1 and 10

Then count how many places the decimal point was moved

That is the exponent we put on the 10 BUT since the number is a

_____, we write a

_____ sign in front of it.

Write these numbers in scientific notation:

1. 62,000 _____

2. 0.000,000,25 _____

3. 830,000 _____

4. 0.13 _____

5. 32,000,000 _____

6. 0.000,431 _____

7. 79,600 _____

8. 0.002 _____

Write this number in standard form

$$5.48 \times 10^5$$

Move the decimal point 5 places to make the number _____

Write this number in standard form

$$1.36 \times 10^{-4}$$

Move the decimal point 4 places to make the number _____

Write these numbers in standard form.

1. 6×10^{-4}

2. 1.5×10^5

3. 1.37×10^3

4. 5.5×10^{-3}

5. 2.58×10^{-6}

6. 4×10^4

7. 5.9×10^7

8. 2.6×10^{-5}
