

# operations with scientific notation

## Multiplying and Dividing

When **MULTIPLYING** with Scientific Notation:

**Step 1: Multiply the coefficients**

**Step 2: Keep the base 10**

**Step 3: Add the exponents (same as with exponent rules)**

*example:*

When **DIVIDING** with Scientific Notation:

**Step 1: Divide the coefficients**

**Step 2: Keep the base 10**

**Step 3: Subtract the exponents (same as with exponent rules)**

*example:*



Sometimes your answer is not in Scientific Notation because the coefficient is not greater than or equal to one and less than 10. The easiest way to fix it is to write it back in standard form and then follow the directions for putting it in correct scientific notation.