

Applying Exponent Rules:  
Scientific Notation

1. Write each number in scientific notation.

315,000,000

2. Write each number in scientific notation.

0.000517

3. Write each number in scientific notation.

310

4. Write each number in decimal notation.

$7.18 \times 10^3$

5. Write each number in decimal notation.

$3.2 \times 10^{-4}$

6. Write each number in decimal notation.

$$7.8 \times 10^7$$

7. Perform the indicated operations. Express your answer in scientific notation.

$$(2 \times 10^{-2})(9 \times 10^{-3})$$

8. Perform the indicated operations. Express your answer in scientific notation.

$$\frac{30,000,000}{0.000005 \times 20,000}$$