

## Scientific Notation Practice

1. Write the following numbers in scientific notation:

a. 21,000 \_\_\_\_\_

d. 0.0021 \_\_\_\_\_

b. 1,530 \_\_\_\_\_

e. 0.00004 \_\_\_\_\_

c. 7,000,000,000 \_\_\_\_\_

f. 0.036 \_\_\_\_\_

2. Convert the following scientific notation numbers to "regular" notation:

a.  $1.72 \times 10^5$  \_\_\_\_\_

b.  $3.5 \times 10^{13}$  \_\_\_\_\_

3. Multiply the following in scientific notation:

a.  $(2.5875 \times 10^3) \times (8.065 \times 10^3)$

c.  $(4.3395 \times 10^1) \times (9.8628 \times 10^3)$

b.  $(8.4208 \times 10^1) \times (2.0556 \times 10^2)$

d.  $(3.2255 \times 10^0) \times (7.416 \times 10^2)$

4. Divide the following in scientific notation:

a.  $(3.567 \times 10^7) \div (5.8999 \times 10^2)$

c.  $(1.236 \times 10^5) \div (3.8521 \times 10^1)$

b.  $(5.3275 \times 10^6) \div (5.4949 \times 10^2)$

d.  $(9.4408 \times 10^5) \div (3.6343 \times 10^2)$

5. Add and subtract the following in scientific notation:

a.  $(4.2 \times 10^5) + (2.3 \times 10^5)$

c.  $(4.5 \times 10^3) - (6.2 \times 10^3)$

b.  $(1.2 \times 10^1) + (2.0 \times 10^2)$

d.  $(5.5 \times 10^3) - (4.2 \times 10^2)$