

**Scientific Notation****Write each number in scientific notation.**

1) 0.000000786

2) 3940

3) 4.7

4) 1260000

5) 0.06

6) 175

**Write each number in standard notation.**

7)  $6.17 \times 10^3$

8)  $7 \times 10^4$

9)  $7.31 \times 10^6$

10)  $5.4 \times 10^{-8}$

11)  $6.7 \times 10^{-3}$

12)  $9.59 \times 10^2$

**Write each number in scientific notation.**

13)  $0.2 \times 10^6$

14)  $30 \times 10^{-8}$

15)  $88.4 \times 10^3$

16)  $28.8 \times 10^{-9}$

**Simplify. Write each answer in scientific notation.**

17)  $(5.4 \times 10^{-1})(7 \times 10^0)$

18)  $(5 \times 10^3)(3.5 \times 10^{-1})$

19)  $(6 \times 10^6)(4 \times 10^{-1})$

20)  $(4.11 \times 10^5)(8.65 \times 10^{-5})$

21)  $(7.68 \times 10^2)(9 \times 10^6)$

22)  $(8.31 \times 10^{-3})(6.6 \times 10^{-6})$

## Scientific Notation

**Write each number in scientific notation.**

1) 0.000000786

$7.86 \times 10^{-7}$

3) 4.7

$4.7 \times 10^0$

5) 0.06

$6 \times 10^{-2}$

2) 3940

$3.94 \times 10^3$

4) 1260000

$1.26 \times 10^6$

6) 175

$1.75 \times 10^2$

**Write each number in standard notation.**

7)  $6.17 \times 10^3$

6170

9)  $7.31 \times 10^6$

7310000

11)  $6.7 \times 10^{-3}$

0.0067

8)  $7 \times 10^4$

70000

10)  $5.4 \times 10^{-8}$

0.000000054

12)  $9.59 \times 10^2$

959

**Write each number in scientific notation.**

13)  $0.2 \times 10^6$

$2 \times 10^5$

15)  $88.4 \times 10^3$

$8.84 \times 10^4$

14)  $30 \times 10^{-8}$

$3 \times 10^{-7}$

16)  $28.8 \times 10^{-9}$

$2.88 \times 10^{-8}$

**Simplify. Write each answer in scientific notation.**

17)  $(5.4 \times 10^{-1})(7 \times 10^0)$

$3.78 \times 10^0$

19)  $(6 \times 10^6)(4 \times 10^{-1})$

$2.4 \times 10^6$

21)  $(7.68 \times 10^2)(9 \times 10^6)$

$6.912 \times 10^9$

18)  $(5 \times 10^3)(3.5 \times 10^{-1})$

$1.75 \times 10^3$

20)  $(4.11 \times 10^5)(8.65 \times 10^{-5})$

$3.555 \times 10^1$

22)  $(8.31 \times 10^{-3})(6.6 \times 10^{-6})$

$5.485 \times 10^{-8}$