

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) 6.17×10^3

8) 7×10^4

9) 7.31×10^6

10) 5.4×10^{-8}

11) 6.7×10^{-3}

12) 9.59×10^2

Write each number in scientific notation.

13) 0.2×10^6

14) 30×10^{-8}

15) 88.4×10^3

16) 28.8×10^{-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

7.86×10^{-7}

3) 4.7

4.7×10^0

5) 0.06

6×10^{-2}

2) 3940

3.94×10^3

4) 1260000

1.26×10^6

6) 175

1.75×10^2

Write each number in standard notation.

7) 6.17×10^3

6170

9) 7.31×10^6

7310000

11) 6.7×10^{-3}

0.0067

8) 7×10^4

70000

10) 5.4×10^{-8}

0.000000054

12) 9.59×10^2

959

Write each number in scientific notation.

13) 0.2×10^6

2×10^5

15) 88.4×10^3

8.84×10^4

14) 30×10^{-8}

3×10^{-7}

16) 28.8×10^{-9}

2.88×10^{-8}

Simplify. Write each answer in scientific notation.

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

3.78×10^0

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

2.4×10^6

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

6.912×10^9

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

1.75×10^3

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

3.555×10^1

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

5.485×10^{-8}