

Comparing Numbers in Scientific Notation

SN 1

Instructions: Use the greater-than, less-than or equal signs to compare these numbers written in Scientific Notation.

1 2.5×10^6 $<$ 1.8×10^7

2 3×10^5 $>$ 6×10^{-9}

3 1×10^{15} $<$ 1×10^{20}

4 3.5×10^4 $=$ 3.50×10^4

5 2.2×10^{-31} $>$ 6.63×10^{-34}

6 1.0×10^{-5} $<$ 1.0×10^5

7 1.0×10^{18} $=$ 1.000×10^{18}

8 9.8×10^7 $>$ 4.1×10^7

9 5×10^{10} $>$ 7×10^9

10 7.4×10^{10} $<$ 6.022×10^{23}

11 1.25×10^{-6} $>$ 1.25×10^{-60}

12 3.2×10^{-25} $<$ 9.08×10^{25}

13 3×10^{100} $<$ 2×10^{101}

14 5.700×10^8 $=$ 5.7×10^8

15 4×10^1 $<$ 4×10^2

16 9.9×10^{-99} $<$ 7.7×10^{-77}

Scientific Notation Conversions - Set 1

SN 2

Instructions: Convert these numbers written in Scientific Noation into regular form.

1 3.5×10^7
 $3.5000000.$
 1 2 3 4 5 6 7
 35,000,000

2 1.38×10^5
 $1.38000.$
 1 2 3 4 5
 138,000

3 5.52×10^{-4}
 0.000552
 4 3 2 1
 0.000552

4 7.6×10^{-8}
 0.000000076
 8 7 6 5 4 3 2 1
 0.000000076

5 6.25×10^{12}
 $6.250000000000.$
 1 2 3 4 5 6 7 8 9 10 11 12
 6,250,000,000,000

6 9.1×10^6
 $9.100000.$
 1 2 3 4 5 6
 9,100,000

Instructions: Convert these numbers written in regular form into Scientific Notation.

1 4,20,000,000.
 8 7 6 5 4 3 2 1
 4.2×10^8

2 270,000.
 5 4 3 2 1
 2.7×10^5

3 0.0000003.
 1 2 3 4 5 6 7
 3×10^{-7}

4 150,000,000,000.
 11 10 9 8 7 6 5 4 3 2 1
 1.5×10^{11}

5 11,300,000.
 7 6 5 4 3 2 1
 1.13×10^7

6 0.0000000391
 1 2 3 4 5 6 7 8
 3.91×10^{-8}

Scientific Notation Conversions - Set 2

SN 3

Instructions: Convert these numbers written in Scientific Noation into regular form.

1 1.2×10^{-6}
0.000001.2
6 5 4 3 2 1

0.0000012

2 8.523×10^{-4}
0.0008523
4 3 2 1

0.0008523

3 5.4×10^{10}
5.4000000000.
1 2 3 4 5 6 7 8 9 10

54,000,000,000

4 7.2×10^7
7.2000000.
1 2 3 4 5 6 7

72,000,000

5 3.008×10^5
3.00800.
1 2 3 4 5

300,800

6 4×10^{-9}
0.000000004.
9 8 7 6 5 4 3 2 1

0.000000004

Instructions: Convert these numbers written in regular form into Scientific Notation.

1 0.0000095
1 2 3 4 5 6

9.5×10^{-6}

2 0.0000000000055
1 2 3 4 5 6 7 8 9 10 11 12

5.5×10^{-12}

3 29,100,000,000.
10 9 8 7 6 5 4 3 2 1

2.91×10^{10}

4 0.000000061
1 2 3 4 5 6 7 8

6.1×10^{-8}

5 418,300,000.
8 7 6 5 4 3 2 1

4.183×10^8

6 0.0000725
1 2 3 4 5

7.25×10^{-5}