Math Antics
Exercises

Name: _____

Date: _____

Scientific Notation

1 What is the order of magnitude of these numbers?

5.1×10^4 _____4_____

1.63×10^{-10} _____-10_____

2 Compare these numbers.

1×10^8 (**>**) 1×10^{-8}

3 Compare these numbers.

8.5×10^{23} (**>**) 9.99×10^{21}

4 Compare these numbers.

1×10^3 (**=**) $1,000$

5 Convert this number into Scientific Notation.

38,500,000.
7 6 5 4 3 2 1

shift left ←

(3.85×10^7)

6 Convert this number into regular form.

8.1×10^4

8.1000.
1 2 3 4

shift right →

$(81,000)$

7 Convert this number into Scientific Notation.

0.000045
1 2 3 4 5

shift right →

(4.5×10^{-5})

8 Convert this number into regular form.

7.04×10^{-3}

0.007.04
3 2 1

shift left ←

(0.00704)

9 Convert this number into Scientific Notation.

6,250,000,000,000.
12 11 10 9 8 7 6 5 4 3 2 1

shift left ←

(6.25×10^{12})

10 Convert this number into regular form.

7×10^7

7.0000000.
1 2 3 4 5 6 7

shift right →

$(70,000,000)$

See Video for step-by-step solutions to each problem.