Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ CCM8

Ordering Numbers in Scientific Notation

|  |  |
| --- | --- |
| VIC #1 |  |
| VIC #2 |  |
| VIC #3 |  |

Examples:

1. Order 0.052 × 107, 5.12 × 105, 53.2 × 10, and 534 from least to greatest.
2. Order 9 x 10-7, 8 x 10-8, 7 x 10-6, and 6 x 10-10 from least to greatest.
3. Order 50.1 x 10-3, 4.8 x 10-1, 0.52 x 10-3, and 56 x 10-2 from least to greatest.
4. Order 0.53 x 107, 5300 x 10-1, 5.3 x 105, and 530 x 108 from least to greatest.

Word Problems:

Measuring instruments may have different degrees of precision. Instrument A is precise to 10-2 cm, Instrument B is precise to 5 x 10-2 cm, and Instrument C is precise to 8 x 10-3 cm. Order the instruments from most precise (least possible error) to least precise (greatest possible error).