5.62 x 103 **<** 7.39 x 104

6.0515 x 106  **>** 6.12 x 105

5.2266 x 10-7 **<** 6.025 x 102

6.93 x 105 **>** 6.93 x 10-5

4.67 x 10-3 > 3.0967 x 10-3

8.640 x 108 **=** 8.64 x 108

4.29 x 10-5 **<** 5.38 x 10-5

7.35 x 10-6 **>** 7.305 x 10-6

8.5 x 10-5 < 8.5 x 10-3

3.7 x 105 **<** 4.5 x 105

2.35 x 10-2 **<** 2.53 x 102

6.04 x 107 **>** 6.4 x 106

0.2345 **<** 2.345 x 101

3.7 x 105 **<** 37,000,000

2.67 x 10-2 **<** 267,000

6.04 x 10-7 **<** 0.000064

Place the numbers in order from least to greatest

4.58 x 106 4.58 x 10-6 4.58 x 103 4.58 x 100

**4.58 x 10-6 4.58 x 100 4.58 x 103 4.58 x 106**

Place the numbers in ascending order

7.63 x 106 3.57 x 106 6.73 x 106 9.17 x 106

**3.57 x 106 6.73 x 106 7.63 x 106 9.17 x 106**

Place the numbers in order from greatest to least

3.178 x 10-4 3,178,000 9.26 x 10-5 0.000317

**3,178,000 3.178 x 10-5 0.000317 9.26 x 10-5**

Place the numbers in descending order

0.235000 6.223 x 103 5.247 x 103 6,054,000

**6,054,000 6.223 x 103 5.247 x 103 0.235000**

Suppose the table below shows data for the earnings of top ten ranked movies for a given week in the year. Convert each number into scientific notation and rank the earnings from greatest to least.

|  |  |  |  |
| --- | --- | --- | --- |
| Rank | Movie Name | Earnings Data | Scientific Notation |
| **3** | A | $11,500,000 | **1.15 x 107** |
| **10** | B | $1,600,000 | **1.6 x 106** |
| **6** | C | $8,400,000 | **8.4 x 106** |
| **1** | D | $26,700,000 | **2.67 x 107** |
| **8** | E | $6,000,000 | **6 x 106** |
| **4** | F | $10,400,000 | **1.04 x 107** |
| **7** | G | $8,200,000 | **8.2 x 106** |
| **9** | H | $4,200,000 | **4.2 x 106** |
| **2** | I | $19,400,000 | **1.94 x 107** |
| **5** | J | $9,300,000 | **9.3 x 106** |