Converting and Scientific Notation Practice Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Write each number in scientific notation.**

|  |  |
| --- | --- |
| 1.) 280  2.8 x 10 2 | 2.) 0.005  5 x 10 -3 |
| 3.) 0.0237  2.37 x 10 -2 | 4.) 0.0866  8.6 x 10 -2 |
| 5.) 872000  8.72 x 10 5 | 6.) 0.04  4 x 10 -2 |
| 7.) 740  7.4 x 10 2 | 8.) 0.000052  5.2 x 10 -5 |
| 9.) 5000000  5.0 x 10 7 | 10.) 8.79  8.79 x 10 1 |

**Write each number in standard notation.**

|  |  |
| --- | --- |
| 1.) 6.61 x 10-4  .000661 | 2.) 9 x 101  9 |
| 3.) 2.4 x 105  240000 | 4.) 6.68 x 103  6680 |
| 5.) 1.24 x 104  12400 | 6.) 4.9 x 10-2  .049 |
| 7.) 3.98 x 102  398 | 8.) 7.34 x 10-5  .0000734 |

**Convert the following. Write the answer in standard notation.**

**G - - M - - K H D b d c m - - μ - - n**

|  |  |
| --- | --- |
| 1. Convert 18 megameters to centimeters   1800000000Mm | 1. Convert 456 nanometers to millimeters   .000456mm |
| 1. Convert 3.97 Dekaliters to centiliters   3970cL | 1. Convert 89.2 hertz to Gigahertz   .0000000892GHz |
| 1. Convert 57 hectograms to nanograms   5700000000000ng | 1. Convert 1,189 decimeters to micrometers   118900000 micro meters |