Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_­­­­\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Multiplying Numbers by a Power of 10

Directions: Convert the following into exponential form. The first one has been completed for you. Remember, the total number of zeros should match your exponent.

|  |  |  |  |
| --- | --- | --- | --- |
| 10 x 10x 10 x10 104 | 10x10x10 | 10 x 10 | 10x 10 x 10x10 x10 |

Directions: Write each of the following powers of ten as an expression. The first one has been completed for you.

|  |  |  |
| --- | --- | --- |
| 107=10 x 10 x 10 x 10 x10 x 10 x 10= 10,000,000 | 104= | 105= |
| $10^{1}$= | $10^{2}$= | 103= |

Complete the following charter by using your powers of ten place value knowledge.

|  |  |  |  |
| --- | --- | --- | --- |
| 2 x $10^{1}$=  | 5x $10^{1}$= | 7 x $10^{1}$= | 6 x $10^{1}$= |
| 2 x $10^{2}$=  | 5 x $10^{2}$= | 7 x $10^{2}$= | 6 x $10^{2}$= |
| 2 x $10^{3}$=  | 5 x $10^{3}$= | 7x $10^{3}$= | 6x $10^{3}$= |