Name _____ Period_____ Date_____

Multiplying and Dividing Decimals by Powers of 10

Multiplying: **Move the decimal point to the right the same number of places as there are zeros in the power of 10.**

Dividing: **Move the decimal point to the left the same number of places as there are zeros in the power of 10.**

Example:

983.4 ÷ 100 .

Since there are two zeros, the decimal is moved to the left two places.

Therefore, 983.4 ÷ 100 = 9.834 .

Multiply/Divide.

1.	.32 × 10	**2.**	.5 ÷ 10	**3.**	3.4 × 10
4.	5 ÷ 100	**5.**	4.38 ÷ 10	**6.**	.515 × 100
7.	2.6 × 100	**8.**	6.17 × 100	**9.**	834 ÷ 100
10.	28.04 × 10	**11.**	.004 × 1000	**12.**	57.6 × 10
13.	3,913.1 ÷ 1000	**14.**	.8 ÷ 10	**15.**	2.954 ÷ 1000