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