

Name:

Skill: Multiplying decimals by 10, 100 and 1000

When a decimal number is multiplied by 10, 100, or 1000, the number becomes 10 times, 100 times, or 1000 times bigger.

To make a decimal number 10 times bigger, move the decimal point one **place to the right**.

To make a decimal number 100 times bigger, move the decimal point **two places to the right**.

To make a decimal number 1000 times bigger, move the decimal point **three places to the right**.

$$10 \times 3.\underline{4}86 = 34.86$$

$$0.\underline{3}364 \times 10 = 3.364$$

$$100 \times 3.\underline{4}\underline{8}6 = 348.6$$

$$0.\underline{3}\underline{3}64 \times 100 = 33.64$$

$$1000 \times 3.\underline{4}\underline{8}\underline{6} = 3486$$

$$0.\underline{3}\underline{3}\underline{6}4 \times 1000 = 336.4$$

*by 10*  $10 \times 3.6 =$

$100.1 \times 10 =$

$10 \times 0.42 =$

$6.568 \times 10 =$

$10 \times 5.08 =$

$0.005 \times 10 =$

*by 100*  $100 \times 2.5 =$

$23.45 \times 100 =$

$100 \times 0.06 =$

$7.6 \times 100 =$

$100 \times 9.99 =$

$0.009 \times 100 =$

*by 1000*  $1000 \times 0.3 =$

$12.34 \times 1000 =$

$1000 \times 4.56 =$

$0.0091 \times 1000 =$

$1000 \times 0.26 =$

$3.256 \times 1000 =$

$$\begin{array}{r} 32.8 \\ \times 10 \\ \hline \end{array}$$

$$\begin{array}{r} 67.4 \\ \times 100 \\ \hline \end{array}$$

$$\begin{array}{r} 2.73 \\ \times 1000 \\ \hline \end{array}$$

$$\begin{array}{r} 0.0065 \\ \times 100 \\ \hline \end{array}$$