

Multiply a Decimal by a Whole Number

* NO T-Charts → T-Charts are used with adding and subtracting decimals

Step 1: Multiply like normal

$$26 \times 0.17 =$$

Step 2: Write number of digits AFTER the decimal in parenthesis

$$\begin{array}{r}
 0.17 \quad (2) \\
 \times 26 \quad (0) \\
 \hline
 102 \\
 + 0340 \\
 \hline
 0442 \quad (2)
 \end{array}$$

Step 3: Move decimal to the left

$$4.42$$

Example #1: $21 \times 34.6 =$

$$\begin{array}{r}
 34.6 \quad (1) \\
 \times 21 \quad (0) \\
 \hline
 + 6920 \\
 \hline
 726.6 \quad (1)
 \end{array}$$

$$726.6$$

Example #2: $45 \times 0.003 =$

$$\begin{array}{r} 0.003 \quad (3) \\ \times \quad 45 \quad (0) \\ \hline + 0015 \\ 0020 \\ \hline 00.135 \quad (3) \\ \underbrace{\hspace{1.5cm}} \\ 0.135 \end{array}$$

Guided Practice- Pg. 185 # 3-8