

## Multiplying Decimals

1. Line up numbers (ignore decimals for now)
2. Multiply as usual
3. Count the number of decimal places in the problem
4. Count the same number of decimal places for your answer

# Mult. x ly. --- ing Decimals

$1.23 \times 4.8$

$$\begin{array}{r} 1.23 \\ \times 4.8 \\ \hline 984 \\ 4920 \\ \hline 5.904 \end{array}$$

$3.6 \bullet 12.5$ 
$$\begin{array}{r} 3.6 \\ \times 12.5 \\ \hline 180 \\ 720 \\ 3600 \\ \hline 45.00 \end{array}$$

$4 \bullet 9.7$

$$\begin{array}{r} 9.7 \\ \cdot 4 \\ \hline 38.8 \end{array}$$

$2.8(4.5)$

$$\begin{array}{r} 4.5 \\ \cdot 2.8 \\ \hline 12.6 \end{array}$$

$12.3 \bullet .07$

$$\begin{array}{r} 12.3 \\ \cdot .07 \\ \hline 861 \\ 000 \\ \hline .861 \end{array}$$

Evaluate for  $x = 2.3$

$.98x$

$$\begin{array}{r} .98(2.3) \\ \times 2.3 \\ \hline 294 \\ 1960 \\ \hline 2.254 \end{array}$$