

Multiplying Decimals using the Area Model

$$12.4 \times .98 =$$

Step 1: Create a box and put numbers in expanded form.

X	10	2	.4
.9			
.08			

Step 2: Multiply each value

X	10	2	.4
.9	.9	1.8	.36
.08	.8	.16	.032

Step 3: Add the partial

$$\begin{array}{r} .9 \\ 1.8 \\ .36 \\ .8 \\ .16 \\ + .032 \\ \hline 4.052 \end{array}$$

