

Mathematics 7
Math Makes Sense 7
 Chapter 3, "Fractions, decimals, and Percents"
Topic: Multiplication of Decimals

Rectangle Method

$3.7 \div 5.2$ ← Represent the numbers in rectangular box.

$3.0 + 0.7 = 3.7$ ← Remember what the numbers mean

$5.0 + 0.2 = 5.2$

3.0	0.7	
5.0	5.0 x 3.0 15.0	<i>* Add the block numbers</i> $\begin{array}{r} 15.0 \\ 3.5 \\ 0.6 \\ + \underline{0.14} \\ 19.24 \end{array}$
	5.0 x 0.7 3.5	
0.2	0.2 x 3.0 0.6	
	0.2 x 0.7 0.14	

Verify: ✓

$$\begin{array}{r} 3 \\ 1 \\ 3.7 \\ \times \underline{5.2} \\ 174 \\ + \underline{1850} \\ 19.24 \end{array}$$

👉 Try one on your own. **9.4 x 7.1** * Remember to dra the box.