



Multiplying Decimals



Look at the example below.

- 1) Look at the decimal number. Multiply that number by 10, 100, or 1,000 to make it a whole number. Note what you multiplied it by because you'll need that after you calculate the product.
- 2) Multiply the two numbers.
- 3) Divide the product by the same number you multiplied the decimal number by in step 1.

$$\begin{array}{r}
 67.3 \\
 \times 15 \\
 \hline
 \end{array}
 \xrightarrow{\times 10}
 \begin{array}{r}
 673 \\
 \times 15 \\
 \hline
 3365 \\
 + 6730 \\
 \hline
 10,095
 \end{array}
 \xrightarrow{\div 10}
 \begin{array}{r}
 67.3 \\
 \times 15 \\
 \hline
 ?
 \end{array}$$

ANSWERS

Now practice multiplying decimals with these word problems. Check your answer with a calculator or by rounding to estimate.

1. Tickets to the Oakland A's game were \$36.75 apiece. Robert bought three so that he and his parents could go see them beat the Giants. How much did he spend in all? \$110.25
2. Delaney wanted to get four Golden State Warriors pendants for herself and her friends to bring to the NBA playoffs. They were \$29.45 each. How much did she spend in all? \$117.80
3. Maggie planted a garden with 6 cherry tomato plants. Each plant cost \$2.35. How much did she spend altogether? \$14.10
4. Four friends ran the 400 yard relay in track. Each of the four teammates ran their 100 yard portion in the exact same amount of time: 4.73 minutes. What was the time for the whole team to finish the 400 yard relay? 18.92 minutes or 18 minutes and about 55 seconds