



### From Decimals to Fractions

Name: \_\_\_\_\_

Shelley missed school yesterday. Now, she has difficulty understanding how to convert decimals greater than 1 into fractions. She says,

“I know that 0.7 is seven tenths, and she writes  $7/10$ . This is clear to me because the number 7 is in the tenths column, so I use 10 as the denominator. Similarly, 0.78 is equivalent to seventy-eight hundredths  $78/100$ . Here I use 100 as the denominator because the number 78 occupies up to the hundredths column. But when it comes to 3.78, how do you find the equivalent fraction?”

Write Shelley a clear explanation of how she can convert 3.78 into fractions using what she already knows about converting 0.7 and 0.78. Use words, diagrams, and/or drawings to make your explanation clear.