|  | More on Decimals |
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| objective 1 | Learn how to Round Decimal Numbers |
| The technique for rounding decimal |  |
| numbers is slightly different than that for |  |
| rounding whole numbers. |  |
| sometimes we need to add zeros to the |  |
| decimal to represent place values. Such is the |  |
| case when we need to round the whole number 3 |  |
| to the nearest hundredth. In this case, we would |  |
| have to write in the decimal point to the right of |  |
| the whole number and add two zeros. |  |


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|  | Rounding Decimal Numbers <br> First locate the digit that is one place to the right of the place value you want to round to.* <br> If that digit is less than 5, remove it as well as all other digits to the right. <br> If the digit is greater than or equal to 5 , add 1 to the digit to its left and remove it as well as all other digits to the right. <br> * If the number has no digit in the place value you want to round to, add zeros to the right of your number up to and including the place value you want to round to. |
|  | Example 1: Round the following numbers to the nearest one-thousandth. |
|  | $\text { a) } 0.532439 \quad \begin{gathered} \text { The } 2 \text { is in the } \\ \text { one-thousandths } \\ \text { place. } \end{gathered} \begin{gathered} \text { The digit to the } \\ \text { right is less than } 5 . \end{gathered}$ |
|  | $0.532439$ |
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