

Rules to Rounding Numbers and Decimals

Rules to rounding	
Rule 1 If the rounding digit has a number to its right that is 4, 3, 2 or 1	Drop all digits to the right
Rule 2 If the rounding digit has a number to its right that is 5, 6, 7, 8 or 9	Add 1 to the rounding digit and drop all other digits to its right
Explanation 125.15475 needs to be rounded to three decimal places Let's look the third digit after the decimal point. It is 4. This is the rounding digit. We need to drop everything else after that. However, look at the fourth digit. It is 7. You must follow the rules and add 1 to the rounding digit. This turns 4 to 5. So, the rounded figure is 125.155.	
Now let's look at this number: 70.8135 You need to round it down to two decimal places. The rounding digit is 1. The third digit is 3. Based on the rules, you can simply drop the rest of the numbers after the 1 to make 70.81.	