



Here is a number line showing what we just explained. The **red numbers** (1, 2, 3 and 4) get rounded down, so if the digit you're looking at is one of those numbers, the digit you're rounding stays the same, and all digits after that one become zeroes. The **green numbers** (5, 6, 7, 8 and 9) get rounded up, so if the digit you're looking at is one of those numbers, the digit you're rounding is increased by 1 (if the digit is 7, it becomes 8, and so on).

3594

We have circled the number we want to round, which is the tens' digit, and then we underlined the digit after it, which is the ones' digit. We want to look at the ones' digit. We see that it is a 4. That means that we leave the digit we're rounding absolutely alone—we don't change it at all. Then we change every digit after the digit we've rounded into a zero (0). Our newly rounded number would look like this:

3590

20385

We have circled the 100's digit, and then we underlined the next digit to the right, which is the tens' digit, so that we know which number we're looking at. Looking at the tens' digit, we see that it is 8, which is greater than 5, meaning we have to round up. In order to round up, we increase the hundreds' digit by 1. This means that, since the hundreds' digit is 3, we would increase it to 4. Now, the next digits (tens' digit and ones' digit) are converted into zeroes. Our rounding would look like this:

20400

3594

We have circled the number we want to round, which is the tens' digit, and then we underlined the digit after it, which is the ones' digit. We want to look at the ones' digit. We see that it is a 4. That means that we leave the digit we're rounding absolutely alone—we don't change it at all. Then we change every digit after the digit we've rounded into a zero (0). Our newly rounded number would look like this:

3590

3.4985

Notice that we have circled the thousandths digit, and then underlined the next digit, which we need to look at in order to determine how to round our number.

In this example, we notice that the underlined digit is an 8, which is greater than 5. That means we're going to round up for this one. The 8 becomes a 9, and the 5 becomes a 0. Thus, our final rounded number is **3.4990**.