

Rounding Numbers To Nearest Tens

Rounding Numbers

Rounding numbers becomes very easy, if kids have good knowledge of place value. That's why we highly urge kids to know their place value skills very well. You can visit our [place value worksheets](#) page for this purpose.

There are many ways to round numbers, such as, use of a number line, skip counting method and using the place value knowledge to round the numbers. We use place value method to round the numbers, as this method is very easy if kids know the place value.

Let's start rounding numbers to nearest tens, the base of rounding numbers.

Remember that, we can round numbers up or down and we will explain both of them using place value method to round.

Rounding a number down to nearest tens:

To round a number to nearest tens, you need to look at the digit at ones place. If the digit at ones place is 0, 1, 2, 3 or 4 we round down the number, which means we keep the digit at tens place and mark down the digit at ones place to zero if it is 1, 2, 3 or 4.

For example; we want to round 83 to nearest tens. To do this, look at the digit at ones, which is 3 (one of 0, 1, 2, 3 and 4). Hence we keep the digit at ten which is 8 and mark down the ones digit (which is 3) to zero. Which means we keep the eight and mark down three to zero to round down to get 80 as our answer.

So, 83 is rounded down to 80

Let's do another example; round 624 to nearest tens.

To round 624 to nearest tens, we look at ones digit which is 4 (one of 0, 1, 2, 3 and 4), hence we keep the tens digit as 2 and mark down 4 to zero to get 620 as our answer.

Note: Notice that, we don't touch 6 in 624 because we are rounding to nearest tens and we can't touch the digits at hundreds place or thousands place and so, we keep them as they are.

Hence, 624 is rounded down to 620.

Similarly, we can round 863 to nearest ten as 860, which is again rounded down as 860 is smaller than 863.

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Rounding numbers up to nearest tens:

We round a number up to nearest tens, if it got its ones digit from one of 5, 6, 7, 8 or 9. Yes, if ones digit of a number is from 5 to 9 then we round this number up to nearest tens.

For example; number 56 got its ones digit 6 (one of numbers from 5 to 9), hence we can round this number up to nearest tens. For rounding up, we need to add one to digit at tens place and mark down the digit at ones place to zero. Hence, add 1 to 5 (the tens place digit) and change 6 to zero (the ones place digit) to get 60 as our answer.

Let's do another example to round 9 739 to nearest tens.

We'll do the solution in steps as follows;

1. Underline the ones digit of the number as 9 739 because ones digit is bigger than five we have to round this number up to nearest tens.
2. To round up to nearest tens, add one to tens digit which is 3 and by adding 1 to 3 we get the new tens digit as 4.
3. Make ones digit zero to round
4. Hence the rounded number is 9 740.

Again, note that we rounded up to nearest tens and we need not to change the digits at hundreds place and thousands place, we keep them same as in the original number.

More Examples: Round the following numbers to nearest tens.

1. 91
2. 40
3. 360
4. 49
5. 4 327

Solution:

1. Ones digit of 91 is less than five so we keep the tens digit as 9 and mark down ones digit which is one to zero to get our answer as 90.
2. Ones digit of 40 is already zero and we can't round this number to tens any more. Hence our answer remains as 40.
3. Again the ones digit for 360 is zero and we can't round it to nearest tens. Answer is 360.
4. The ones digit of 49 is 9 which is more than 5, hence we round this number up by adding 1 to the digit at tens which is 4 so we get $4+1 = 5$ as new tens digit. So, answer is 50.
5. In **4 327**, the ones digit is **7**, so this number will be rounded up. To do so, add **1** to digit at tens place which is **2**. So, add **1** to **2** and change **7** to zero to get **4 330** as answer.