

Square of number close to 1000 and 500 is very easy.....

Let's take number 1024, and then just add 24 into it....

It will be $1024 + 24 = 1048$ and then write $(24)^2 = 576$

So answer will be 1048576..... **It will be valid up to 1031.**

Similarly suppose number is 988 then it is 12 less than 1000.....

Then just subtract 12 from 988, it will be 976 and write $(12)^2 = 144$

So answer will be 976144.....

Method to calculate square up to 100...

1. Between numbers 40 to 60...here is the method...

For 40 - 50, say 44 then it is 6 less than 50...differentiate $25-6 = 19$ and $(6)^2 = 36$

So first 2 digits will be 19 and last 2 will be 36 and answer will be 1936

Take another number 48 then 48 is less than 50 by 2 so answer will be 2304....

Remember we have to take base 25 and not 50...

similarly from 50-60, say 56 then add 6 in $25 = 31$ and last 2 digit will be 36...

So answer will be 1936...

2. Between numbers 61 to 75...here is the method...

For 62, u need to add $25+12 = 37$ and $(12)^2 = 144$

So now write the last 2 digits 44 and add 1 in 37 so it will become 3844....

It's very easy but you have to practice it little...

Example 2 - Take another number 73....so $(23)^2 = 529$

First 2 digit will be $25+23+5 = 53$ and last 2 digit remain same always...so answer will be 5329

3. Between numbers 90 to 100...here is the method...

Now 90-100...say 98, it is 2 less than 100...

So differentiate 2 from 98...u will get first 2 digits... $98-2=96$...

And last 2 digits will be $(2)^2=04$...so answer will be 9604...

Similarly $(97)^2= 9409$...

2. Between numbers 75 to 90 ...here is the method...

From 75- 90...same method as above but need to add

Say 88... It is $100-88 = 12$... $(12)^2= 144$...

So first 2 digits will be $88-12+1 = 77$ and last 2 digits 44 so, answer is 7744...

If anyone faces difficulty to solve square between numbers 61 - 90. We suggest you to please practice it at home a little daily. Over a period of time these will also become very easy like square from 40-60 and from 90-100...

Courtesy SSC Math FB Page..... thanks