The shoe size-age trick is very nice and it almost works every time. I will explain it using my own data.

I wear a size 39 shoe.

39 x 5 = 195

195 + 50 = 245

245 x 20 =4900

4900 + 1015 = 5915

I was born in 2001.

5915 - 2001 = 3914

It works! Amazing! Indeed, my shoe size is 39, and I am 14 years old.

How does this work? It requires a little bit of algebra to understand.

Let's call shoe size "s" and your birth year "y." Now, let's do the trick again, using these letters instead of numbers.

Multiple s by 5: 5s

Add 50: 5s + 50

Multiply by 20: 20(5s + 50) = 100s + 1000

Add 1014: 100s + 1000 + 1015 = 100s + 2015

Subtract birth year: 100s + 2015 – y

Do you see why it works? No matter what your shoe size is, it will always be the first two digits of the answer. If your shoe is 41, then 100s = 4200.

The age part should be obvious. 2015 - y (your birth year) will give your age.

But this trick does not always work. It only works if your last birthday was in 2015. If your last birthday was already in 2016 you need to use the number 1016 instead of 1015. The trick also does not work if you are 100 years old or older.

So if you want to impress your friend, you can use this trick. Have fun!