

FUN MATH

HOW TO QUICKLY MULTIPLY NUMBER 11 WITH DOUBLE-DIGIT NUMBERS?

Do you know the number 11 rule? How to quickly multiply 11 with double-digit numbers in your head? It is easy to learn!

To multiply any double-digit number by 11:

For example we will use 43.

Separate the two digits in you mind like that: 4__3
(There is the hole between them now!)

Add the 4 and the 3 together ($4 + 3 = 7$)

Put the resulting 7 in the hole: 4 7 3

And that's it! $11 \times 43 = 473$

It's become tricky if the result of the addition is greater than 9:

You have to put the "ones" digit in the hole and carry the "tens" digit from the addition.

For example we will use 84.

$$11 \times 84$$

Separate the two digits in you mind: 8__4

Add the 8 and the 4 together ($8 + 4 = 12$)

Put the 2 in the hole and add the 1 from the 12 to the 8.

$$\begin{array}{r} 1 \\ 8 \underline{2} 4 \\ 924 \end{array}$$

The result is 924. $11 \times 84 = 924$.

Practice!