

Math Trick Using Number 9

Class, write any three-digit number... **473**

Now add these digits together... **$4 + 7 + 3 = 14$**

And subtract the two numbers... **473**

$$\begin{array}{r} - 14 \\ 473 \\ \hline 459 \end{array}$$

Why it Works
This number is always a multiple of 9.

And circle one of the numbers
but do not tell me...

459

What two numbers did you not circle?
[While I secretly add them in my head]

$$5 + 9 = 14$$

If the number = 9, then the answer is automatically 9.

[If the number is still greater than 9, then I will
secretly add them in my head again].

$$1 + 4 = 5$$

[Now I will secretly subtract from 9 in my head.]

$$9 - 5 = 4$$

I got it. You circled...

4

