FASTER WAY TO MULTIPLY BY 9

MADE VERY EASY!

THE RULE FOR MULTIPLCATION BY 10

Because of the rule for multiplication by 10, we know that any number multiplied by 10 is equal to that number followed by a zero.

7 multiplied by 10 is 70

12 multiplied by 10 is 120

19 multiplied by 10 is 190

INSTEAD OF DIRECTLY MULTIPLYING BY 9, WHICH CAN BE TRICKY, WE CAN USE THE "MULTIPLY BY 10" RULE. THEN, WE JUST SUBTRACT THE SUM WITH THE OTHER NUMBER.

where **x** = any number

(10 multiply by **x**)- **x** = 9 multiply by **x**

FOR EXAMPLE

(10 multiply by 7) - 7 = 9 multiply by 7

(10 multiply by 12) - 12 = 9 multiply by 12

(10 multiply by 19) - 19 = 9 multiply by 19

"MATHEMATICS IS NOT ABOUT NUMBERS, EQUATIONS, COMPUTATIONS, OR ALGORITHMS: IT IS ABOUT UNDERSTANDING."

–WILLIAM PAUL THURSTON