

9 IS A MAGIC NUMBER

If you multiply any number by 9 and add the digits of the results, they will always add up to 9.

Eg: $9 \times 7 = 63$ ($6 + 3 = 9$)

$9 \times 18 = 162$ ($1 + 6 + 2 = 9$)

37 MULTIPLY 37 BY ANY MULTIPLE OF 3 AND YOU WILL GET AN INTERESTING REPEATING PATTERN.

$37 \times 3 = 111$

$37 \times 6 = 222$

$37 \times 9 = 333$

$37 \times 12 = 444$

5 THINK OF A NUMBER

- Multiply by 2
 - Add 10
 - Divide by 2
- Subtract the original number.
No matter what – you will always get 5.

KNOWING NUMBERS

25 THE 25 SHORTCUT

To multiply a number by 25, just divide it by 4 and add two zeroes.

Eg: $25 \times 16 = 16$ divided by 4 = 4

Add 00 = 400

$25 \times 28 = 28$ divided by 4 = 7

Add 00 = 700

11 MULTIPLYING THE NUMBER 11 WITH ANY NUMBER BETWEEN 10 AND 18:

Simply add the sum of the digits to get the middle number.

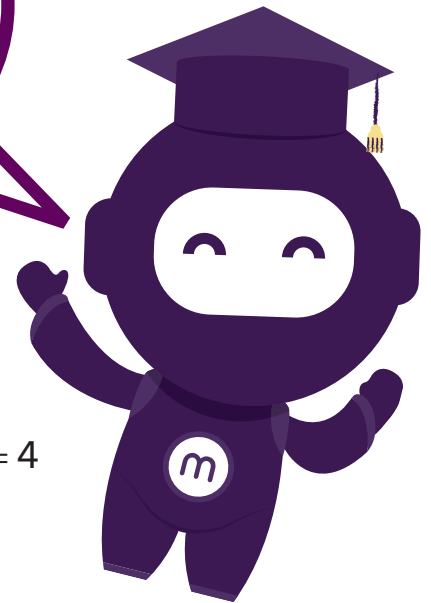
Eg: $11 \times 15 = 1(1 + 5)5 = 165$

$11 \times 18 = 1(1 + 8)8 = 198$

STOP,
SCAN & STUDY!



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FINGER MULTIPLICATION TABLES

Multiply by 9 using your fingers!

Place both hands in front of you with fingers and thumbs extended.

To multiply 9 by a number, fold down that number finger, counting from the left.

EXAMPLES: To multiply 9 by 5, fold down the fifth finger from the left. Count fingers on either side of the 'fold' to get the answer. In this case, the answer is 45.

To multiply 9 times 6, fold down the sixth finger, giving an answer of 54.