TEACHING STUDENTS TO ANNIHILATE THE 9× TABLES

4 TEACHING STRATEGIES FOR THE 9X TABLE

Nothing works for everyone and the 9x table has some amazing patterns

STRATEGY 1

I know 1 × 9, 2 × 9, 5 × 9 and 10 × 9.

If I get stuck with harder **9 ×** tables,
I can use my **10 ×** table and subtract.

Like this:

8 × 9 = **use 8 × 10 = 80**
take away 8 = 72

Don't keep numbers in your head! Write them down or you may lose them. It happens to me all the time!

3 × 9 = 3 × 10 = 30 ; 30 - 3 = 27 **= 27**

7 × 9 = 7 × 10 = 70 ; 70 - 7 = 63 **= 63**

4 × 9 = 4 × 10 = 40 ; 40 - 4 = 36 **= 36**

8 × 9 = 8 × 10 = 80 ; 80 - 8 = 72 **= 72**

6 × 9 = 6 × 10 = 60 ; 60 - 6 = 54 **= 54**

9 × 9 = 9 × 10 = 90 ; 90 - 9 = 81 **= 81**

$3 \times 9 =$	$7 \times 9 =$
$4 \times 9 =$	$8 \times 9 =$
$6 \times 9 =$	$9 \times 9 =$

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$3 \times 10 = 30$	$30 - 3 = 27$
$4 \times 10 = 40$	$40 - 4 = 36$
$6 \times 10 = 60$	$60 - 6 = 54$

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$7 \times 10 = 70$	$70 - 7 = 63$
$8 \times 10 = 80$	$80 - 8 = 72$
$9 \times 10 = 90$	$90 - 9 = 81$

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= 27

= 63

= 36

= 72

= 54

= 81

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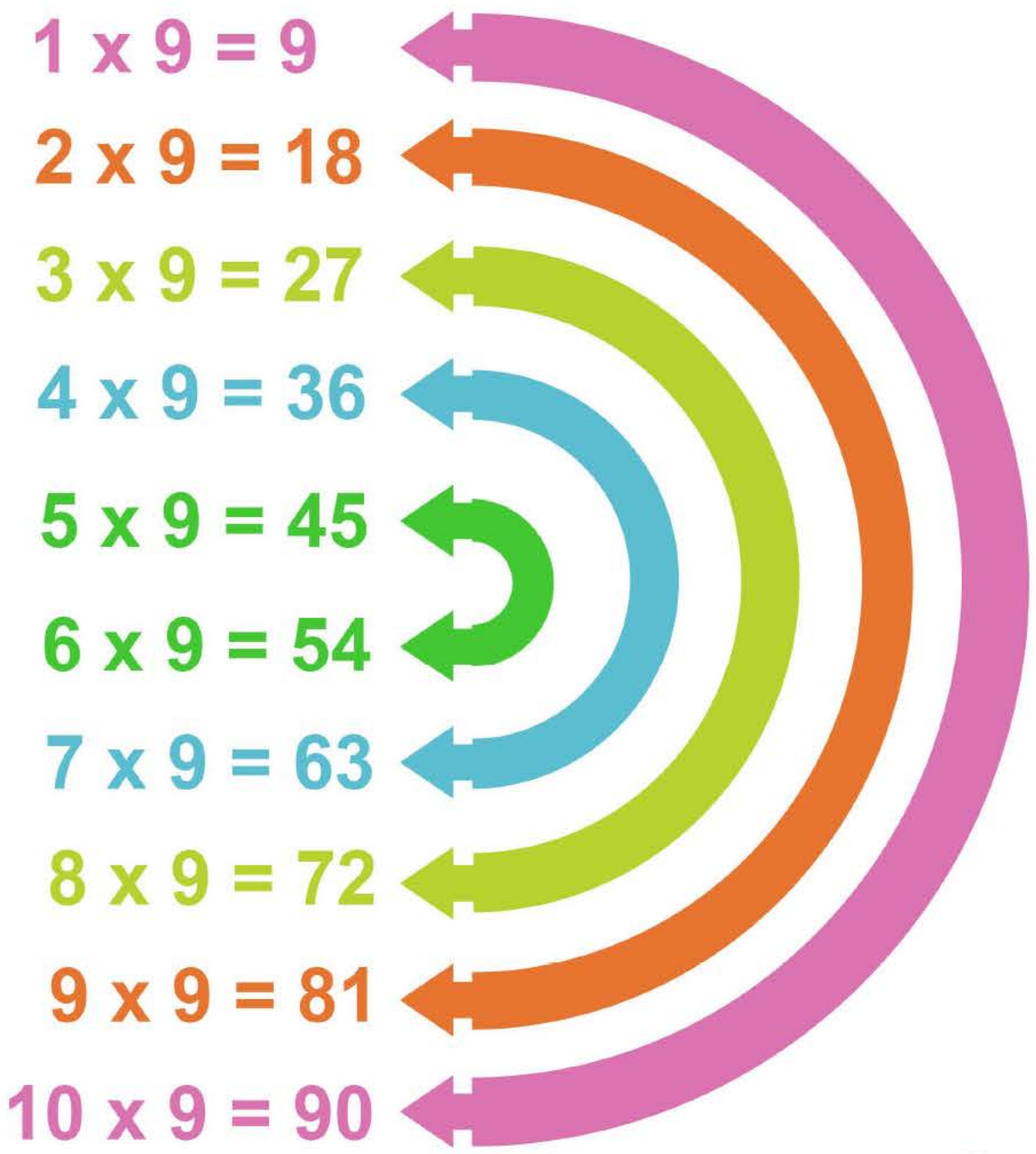
STRATEGY 2

The 9x Tables has a pattern: All the answers add up to 9!

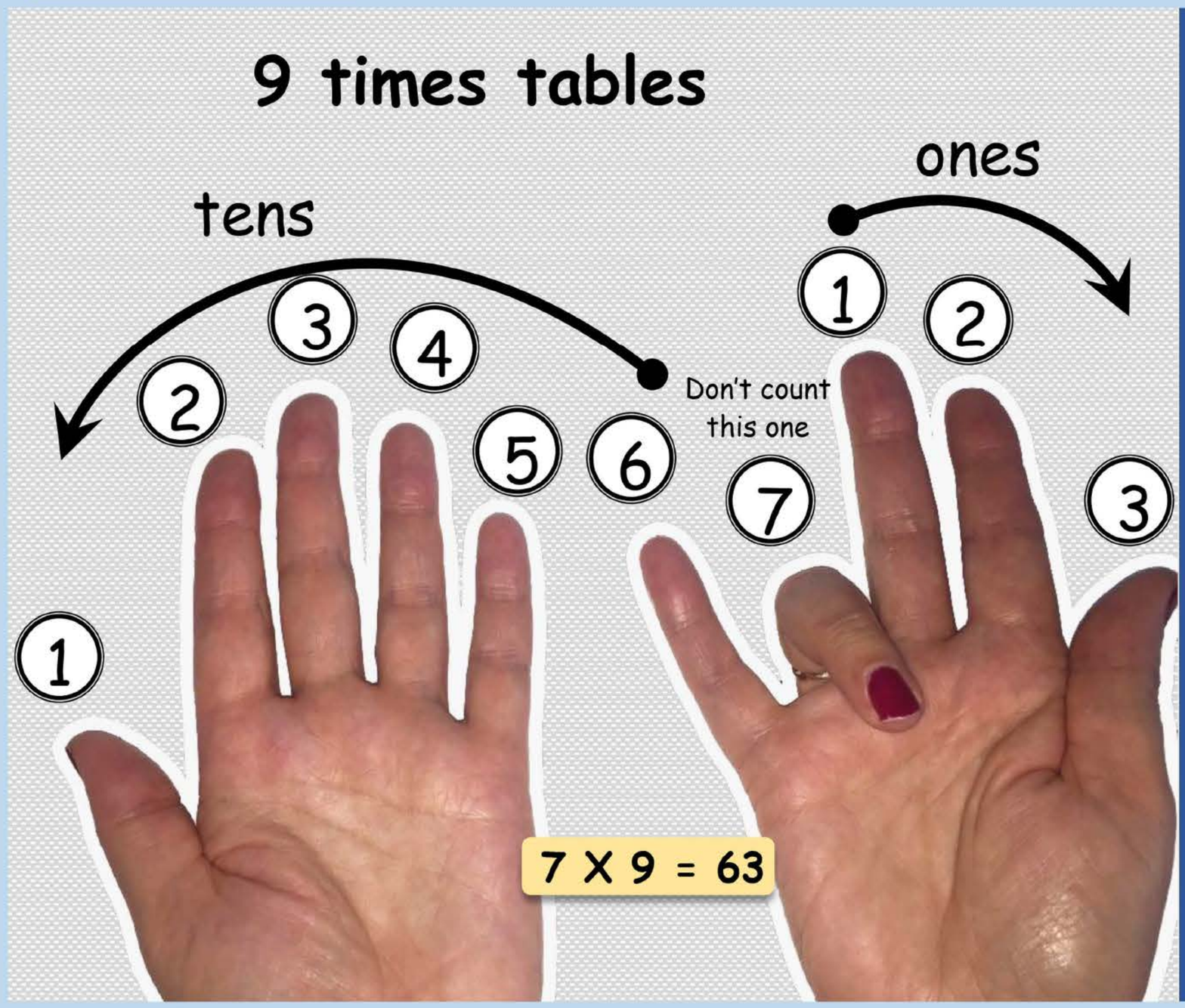
1 x 9 = 9	9 = 9
2 x 9 = 18	1 + 8 = 9
3 x 9 = 27	2 + 7 = 9
4 x 9 = 36	3 + 6 = 9
5 x 9 = 45	4 + 5 = 9
6 x 9 = 54	5 + 4 = 9
7 x 9 = 63	6 + 3 = 9
8 x 9 = 72	7 + 2 = 9
9 x 9 = 81	8 + 1 = 9
10 x 9 = 90	9 + 0 = 9

STRATEGY 3

Another pattern is the numbers in the answers all swap around



STRATEGY 4



All fingers to the left of the dipped finger, represent the tens.

6

All fingers to the right of the dipped finger, represent the ones.

3

The answer is 63.

Try this with the other 9 times tables; dropping the finger in the question.

Example:
4 x 9, drop the finger 4.