

L.O. I am learning to improve my fluency of 12x12 multiplication and division facts

Do you remember this method from last lesson?

$1 \times 3 = 3$	
$2 \times 3 = 6$	
$3 \times 3 = $	← If you know 2x then add 3 OR squared number.
$4 \times 3 = $	← If you know 5x then subtract 3.
$5 \times 3 = 15$	
$6 \times 3 = $	← If you know 5x then add 3.
$7 \times 3 = $	← Once you've worked out 6x, add 3.
$8 \times 3 = $	← If you know 9x then subtract 3 or if you know 7x then add 3.
$9 \times 3 = $	← If you know 10x then subtract 3.
$10 \times 3 = 30$	
$11 \times 3 = 33$	
$12 \times 3 = $	← If you know 11x then add 3.

x 8 tables

x 12 tables

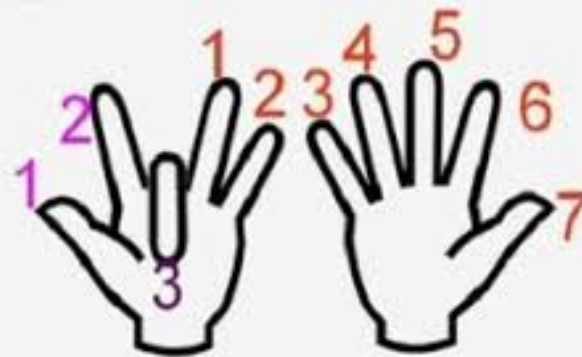
x 14 tables

What patterns can you spot here?

1	×	9	=	9
2	×	9	=	18
3	×	9	=	27
4	×	9	=	36
5	×	9	=	45
6	×	9	=	54
7	×	9	=	63
8	×	9	=	72
9	×	9	=	81
10	×	9	=	90
11	×	9	=	99
12	×	9	=	108

9 times tables

$1 \times 9 = 9$	$6 \times 9 = 54$	$11 \times 9 = 99$
$2 \times 9 = 18$	$7 \times 9 = 63$	$12 \times 9 = 108$
$3 \times 9 = 27$	$8 \times 9 = 72$	
$4 \times 9 = 36$	$9 \times 9 = 81$	
$5 \times 9 = 45$	$10 \times 9 = 90$	



$$9 \times 3 = 27$$

What patterns can you spot here?

1	×	12	=	12
2	×	12	=	24
3	×	12	=	36
4	×	12	=	48
5	×	12	=	60
6	×	12	=	72
7	×	12	=	84
8	×	12	=	96
9	×	12	=	108
10	×	12	=	120
11	×	12	=	132
12	×	12	=	144

Test!



	2	3	4	5	6	7	8	9	10	11	12
2											
3											
4											
5											
6											
7											
8											
9											
10											
11											
12											