

**08/05/2020**

**LO: To count in multiples of 9**

Problem of the day!

Tom plays the flute.

He practises for 34 minutes every day.

How many minutes does he practise in one week?

# What is this sign?

X

What do you  
already  
know?

What does it  
mean?

What happens  
when you use  
it?

Let's  
Recap

What do you know about multiplication?

What happens to the values when you multiply?

**They get BIGGER!**

Let's  
Recap

What do you know about  
multiplication?

Where does the  
biggest number go?

$$3 \times 2 = 6$$

**At the end!**

Let's  
Recap

What do you know about  
multiplication?

Can multiplication be done in any order?

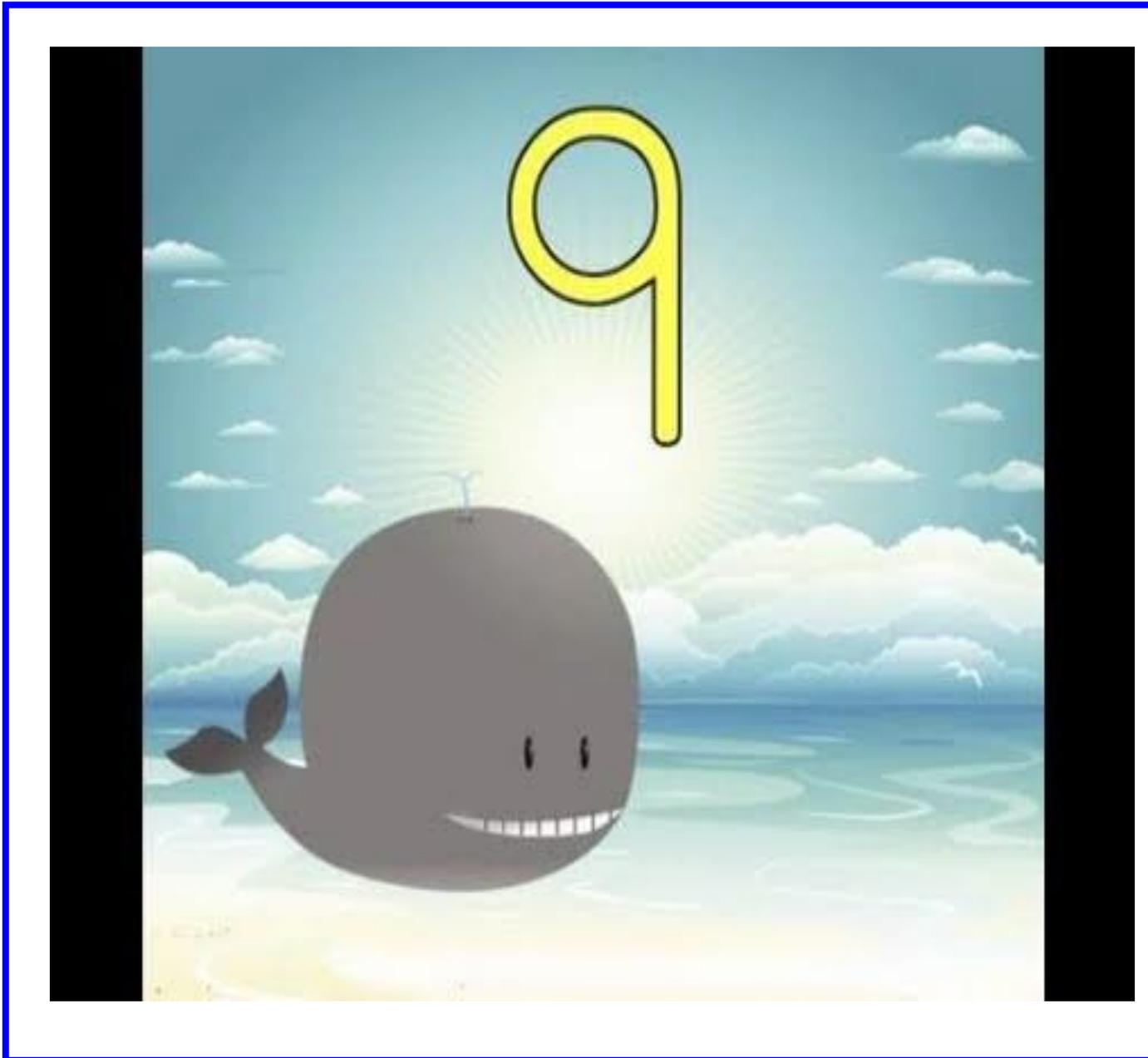
$$4 \times 2 = 8$$

$$2 \times 4 = 8$$

YES!

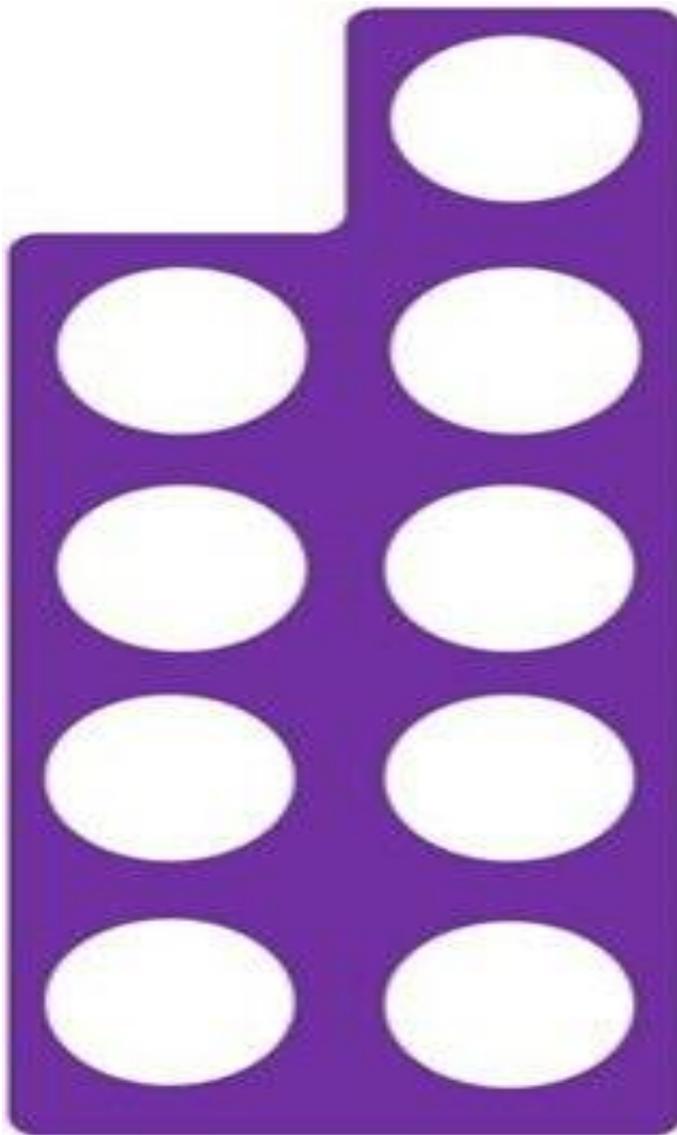
Let's learn how to count in multiples of

9



**Look at the numicon!**

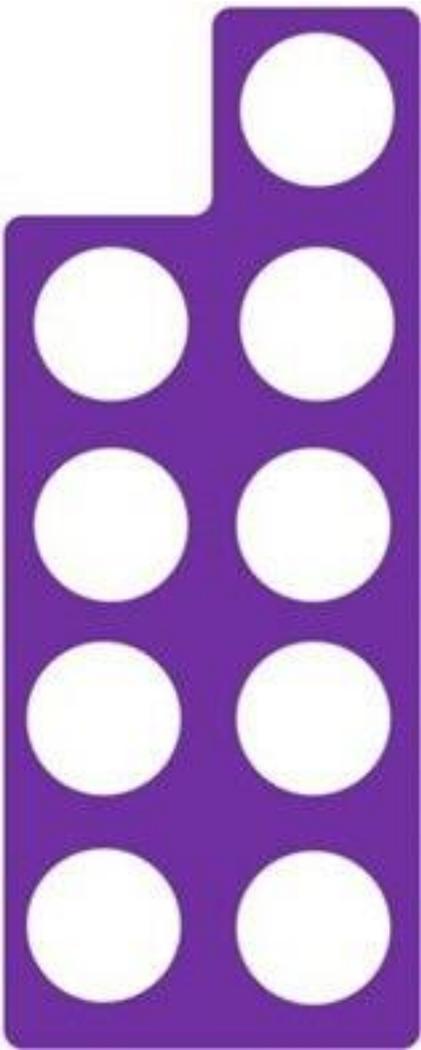
What do you notice?



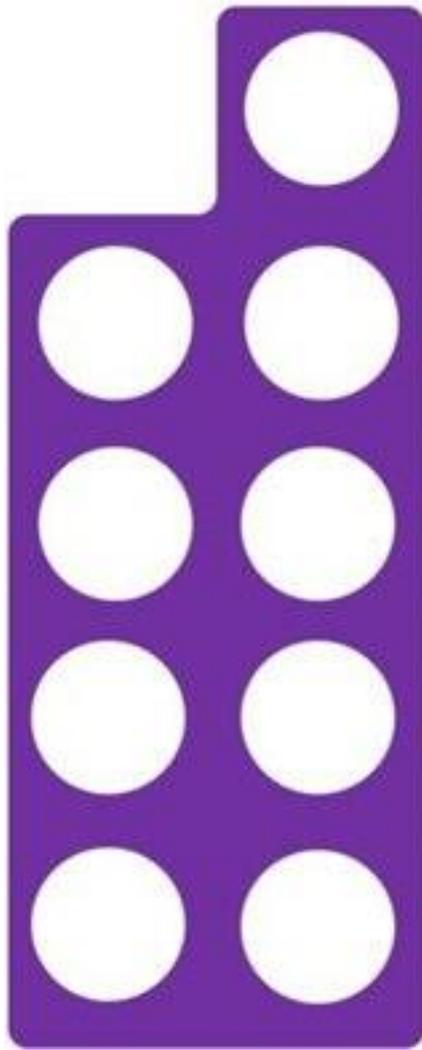
What  
number is  
represented?

9

**HOW ABOUT  
NOW?**

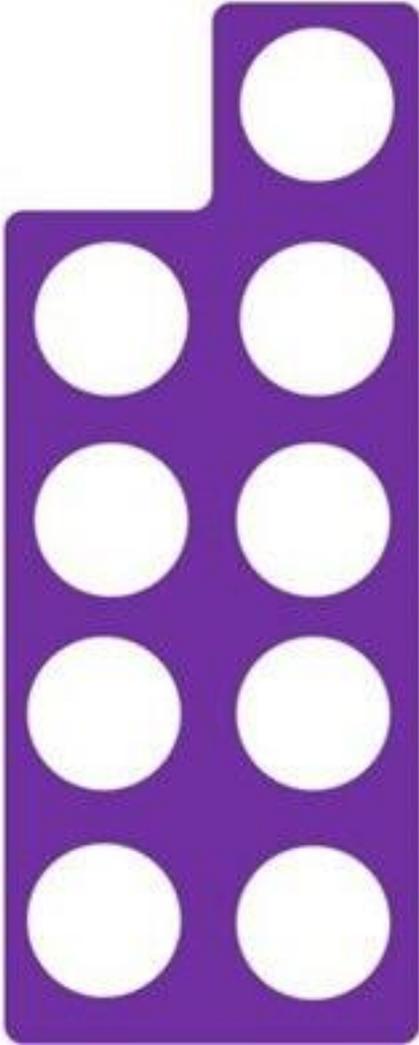


9

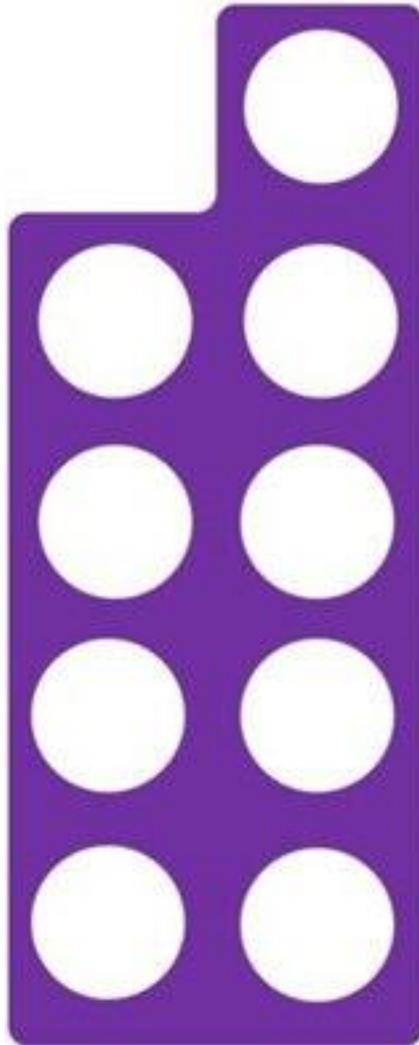


18

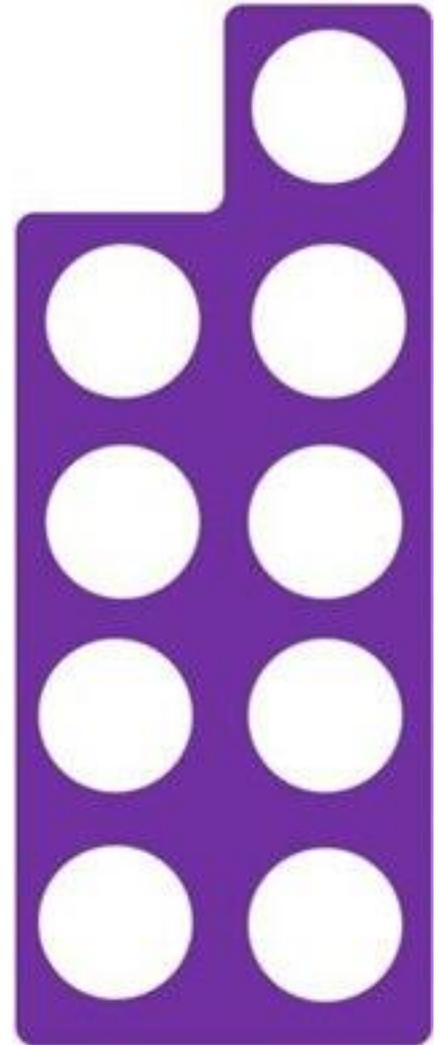
AND  
NOW



9



18

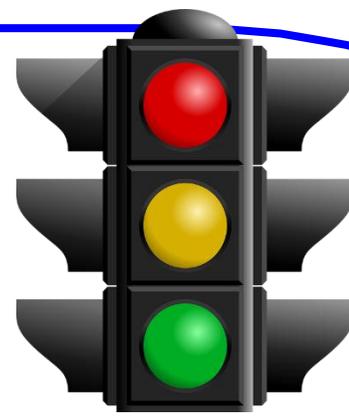


27

Miss says....

**Today we are learning to  
count in multiples of 9.**

What will my  
success  
criteria look like?



I can count in ones up to 9.

I can add 9 to 9 ( $9+9$ ).

I can add an additional 9 to the answer.

I can repeat this.

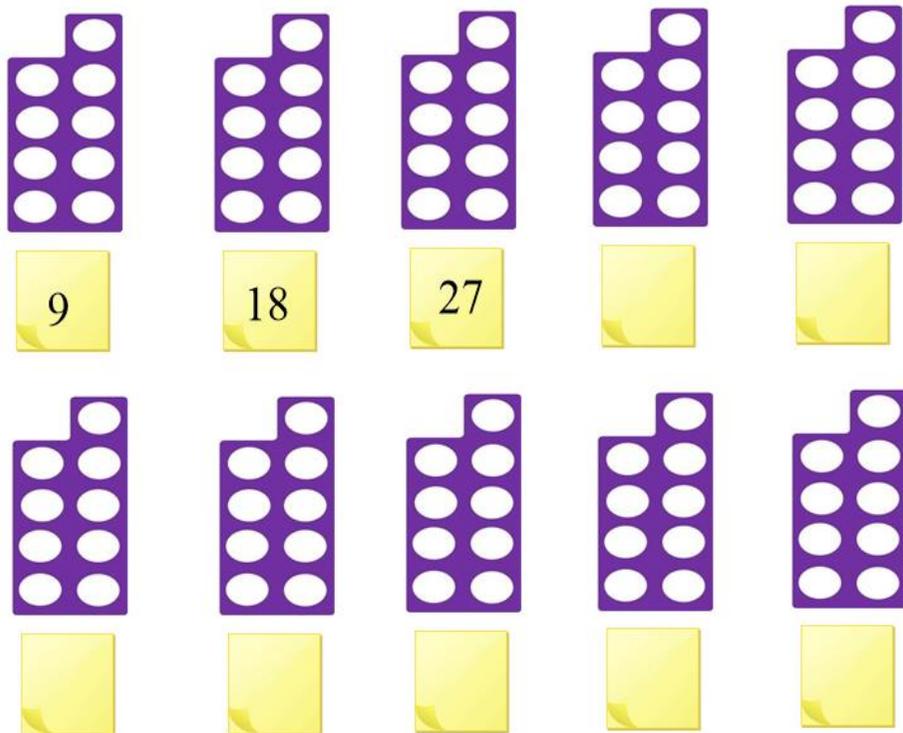


# Task



Look at the numicon patterns and count in 9s to complete up to  $12 \times 9$ . Once you have completed this then complete the mad minutes strips by completing the sequences.

Complete by counting in 9s...



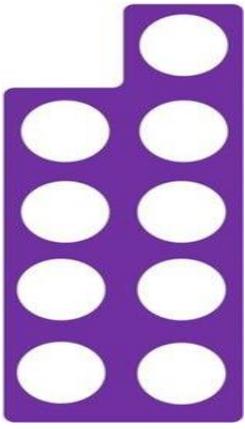
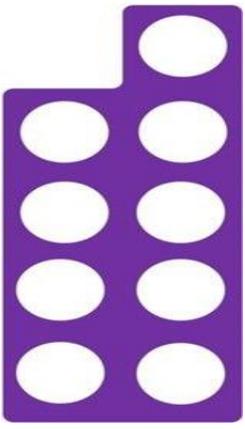
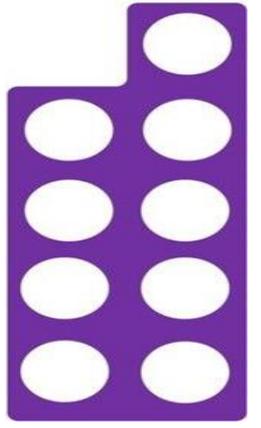
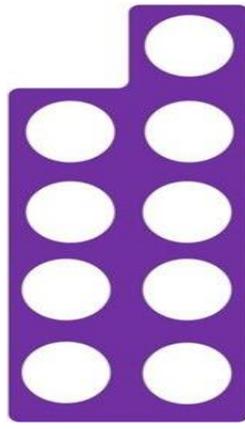
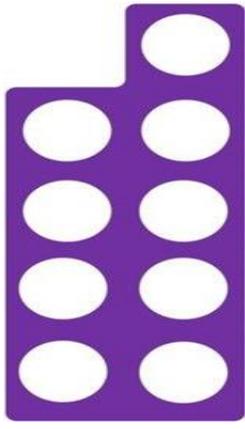
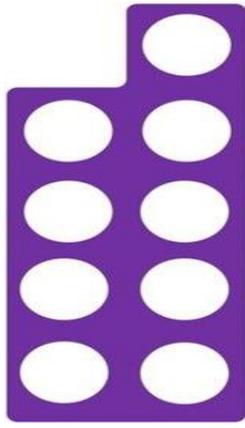
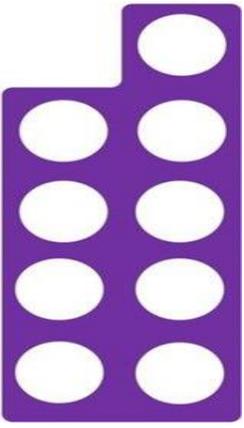
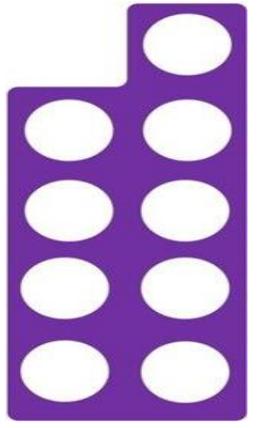
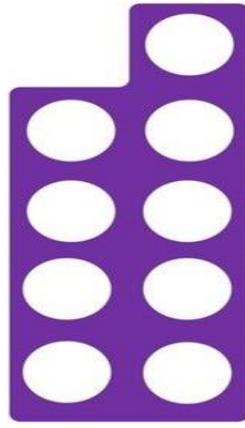
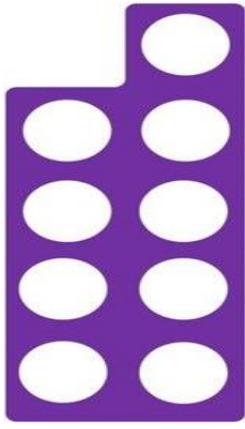
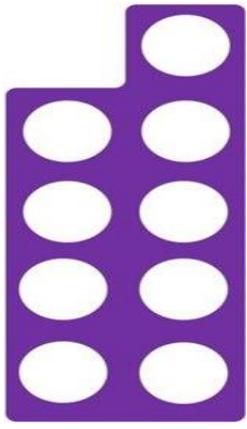
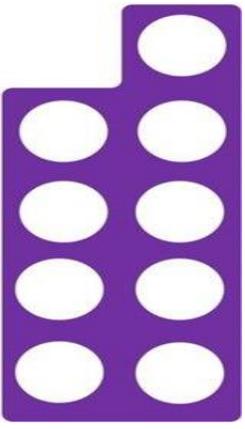
## Mad Maths Minutes

### Counting in 9s Set A

36, 45, _____	45, 54, _____
54, 63, _____	27, 36, _____
81, 90, _____	81, 90, _____
18, 27, _____	54, 63, _____
9, 18, _____	18, 27, _____
45, 54, _____	72, 81, _____
90, 99, _____	36, 45, _____
63, 72, _____	90, 99, _____

Finally, look at the  $9 \times$  tables and see if you notice any patterns.

Complete by counting in 9s...



## Mad Maths Minutes

### Counting in 9s Set A

---

36, 45, \_\_\_\_\_

45, 54, \_\_\_\_\_

54, 63, \_\_\_\_\_

27, 36, \_\_\_\_\_

81, 90, \_\_\_\_\_

81, 90, \_\_\_\_\_

18, 27, \_\_\_\_\_

54, 63, \_\_\_\_\_

9, 18, \_\_\_\_\_

18, 27, \_\_\_\_\_

45, 54, \_\_\_\_\_

72, 81, \_\_\_\_\_

90, 99, \_\_\_\_\_

36, 45, \_\_\_\_\_

63, 72, \_\_\_\_\_

90, 99, \_\_\_\_\_

0, 9, \_\_\_\_\_

54, 63, \_\_\_\_\_

$$\begin{aligned} 1 \times 9 &= 09 \\ 2 \times 9 &= 18 \\ 3 \times 9 &= 27 \\ 4 \times 9 &= 36 \\ 5 \times 9 &= 45 \\ 6 \times 9 &= 54 \\ 7 \times 9 &= 63 \\ 8 \times 9 &= 72 \\ 9 \times 9 &= 81 \\ 10 \times 9 &= 90 \\ 11 \times 9 &= 99 \\ 12 \times 9 &= 108 \end{aligned}$$

N.S - What do you notice about the 9 times tables?

Can you see any patterns?

$$\begin{aligned} 1 \times 9 &= 09 \\ 2 \times 9 &= 18 \\ 3 \times 9 &= 27 \\ 4 \times 9 &= 36 \\ 5 \times 9 &= 45 \\ 6 \times 9 &= 54 \\ 7 \times 9 &= 63 \\ 8 \times 9 &= 72 \\ 9 \times 9 &= 81 \\ 10 \times 9 &= 90 \\ 11 \times 9 &= 99 \\ 12 \times 9 &= 108 \end{aligned}$$

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$1 \times 9 = 09$

$2 \times 9 = 18$

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$5 \times 9 = 45$

$6 \times 9 = 54$

$7 \times 9 = 63$

$8 \times 9 = 72$

$9 \times 9 = 81$

$10 \times 9 = 90$

$11 \times 9 = 99$

$12 \times 9 = 108$

N.S - What do you notice about the 9 times tables?  
Can you see any patterns?

Naughty best friends!

$$1 \times 9 = 0 + 9$$

$$2 \times 9 = 1 + 8$$

$$3 \times 9 = 2 + 7$$

$$4 \times 9 = 3 + 6$$

$$5 \times 9 = 4 + 5$$

$$6 \times 9 = 5 + 4$$

$$7 \times 9 = 6 + 3$$

$$8 \times 9 = 7 + 2$$

$$9 \times 9 = 8 + 1$$

$$10 \times 9 = 9 + 0$$

$$11 \times 9 = 99$$

$$12 \times 9 = 1 + 0 + 8$$

N.S - What do you notice about the 9 times tables? Can you see any patterns?

What do the products =?

All multiples of 9 except

11 x 9 = 99 when the 2

digits are added

together.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

108

# Plenary



I can do this!



I'm getting there.



I need help!

**Check your work!!  
Did you meet the learning  
objective?  
Self assess- How did you  
find the work today?**