

08/05/2020

LO: To count in multiples of 9

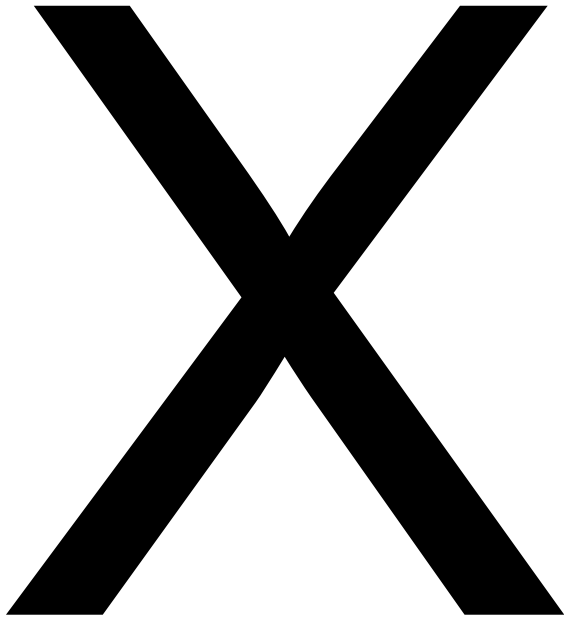
Problem of the day!

Tom plays the flute.

He practises for 34 minutes every day.

How many minutes does he practise in one week?

What is this sign?



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?

$$4 \times 2 = 8$$

$$2 \times 4 = 8$$

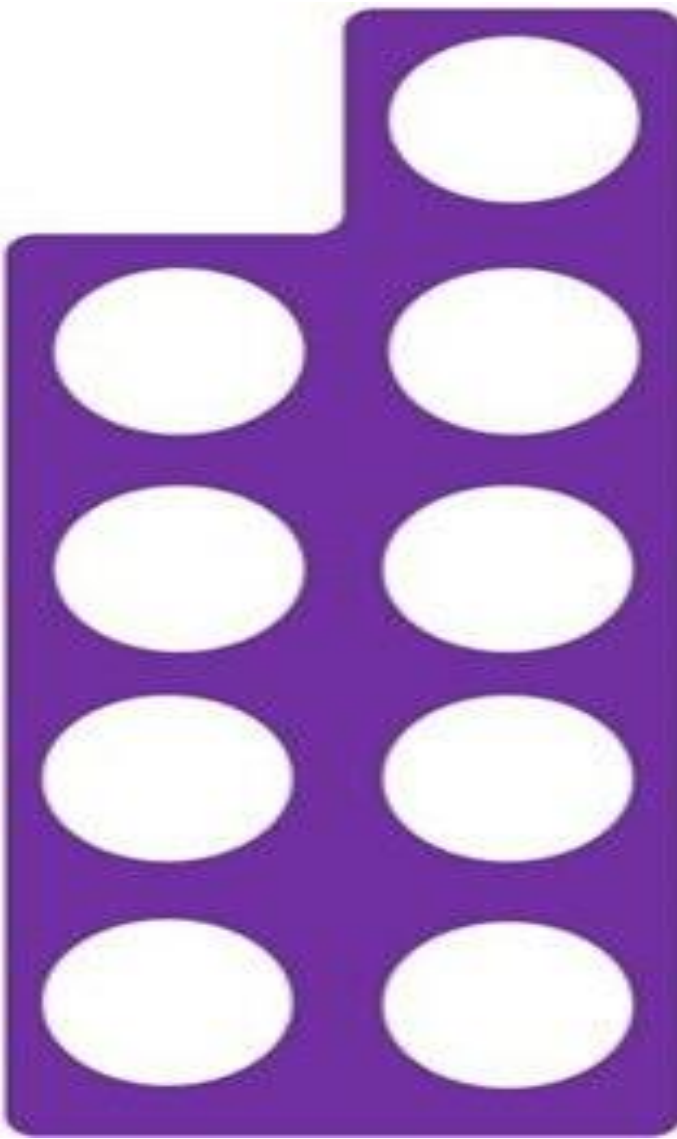
YES!

Let's learn how to count in multiples of 9



Look at the numicon!

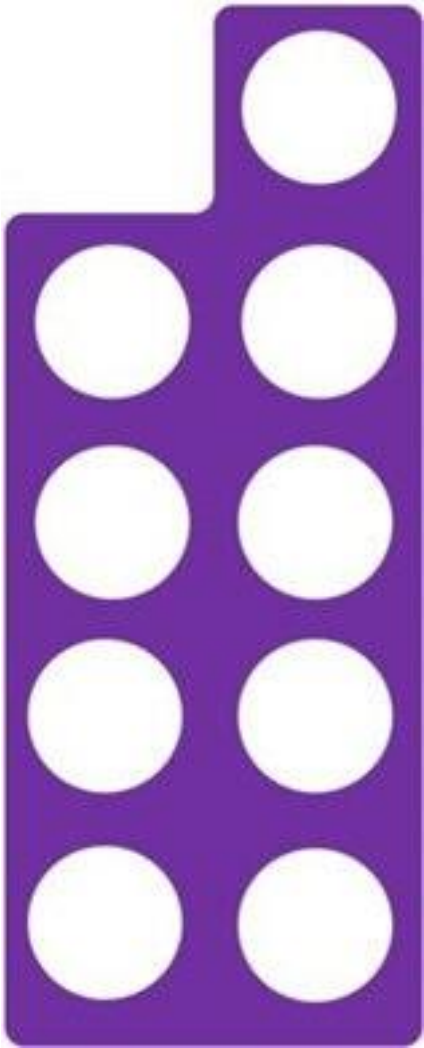
What do you notice?



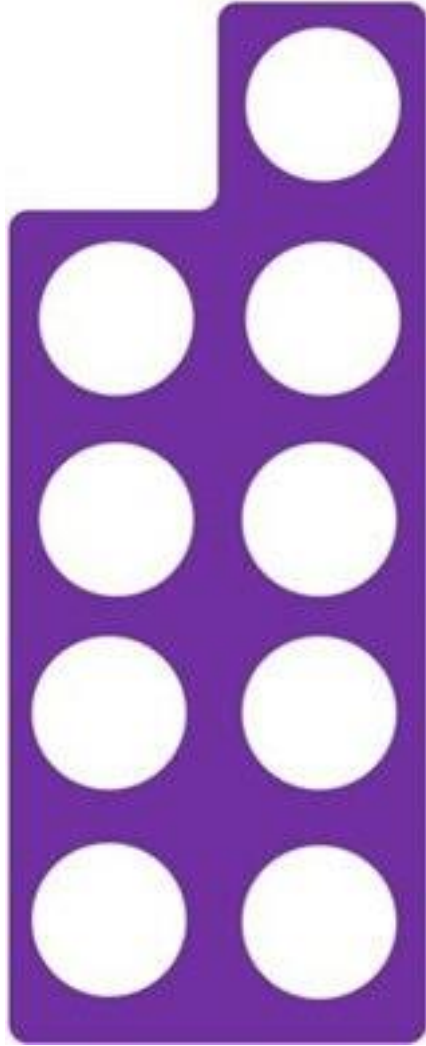
What
number is
represented?

9

HOW ABOUT NOW?

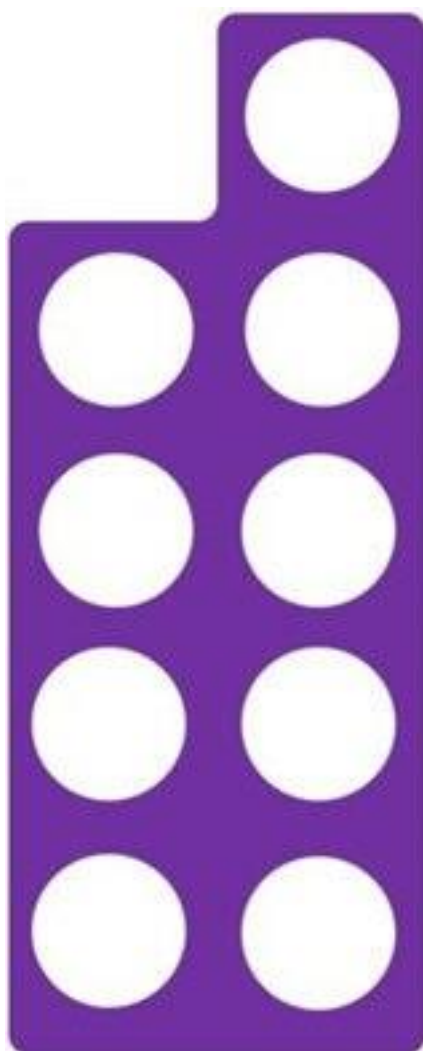


9



18

AND
NOW



9



18



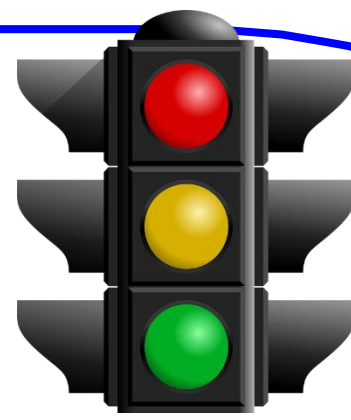
27

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.

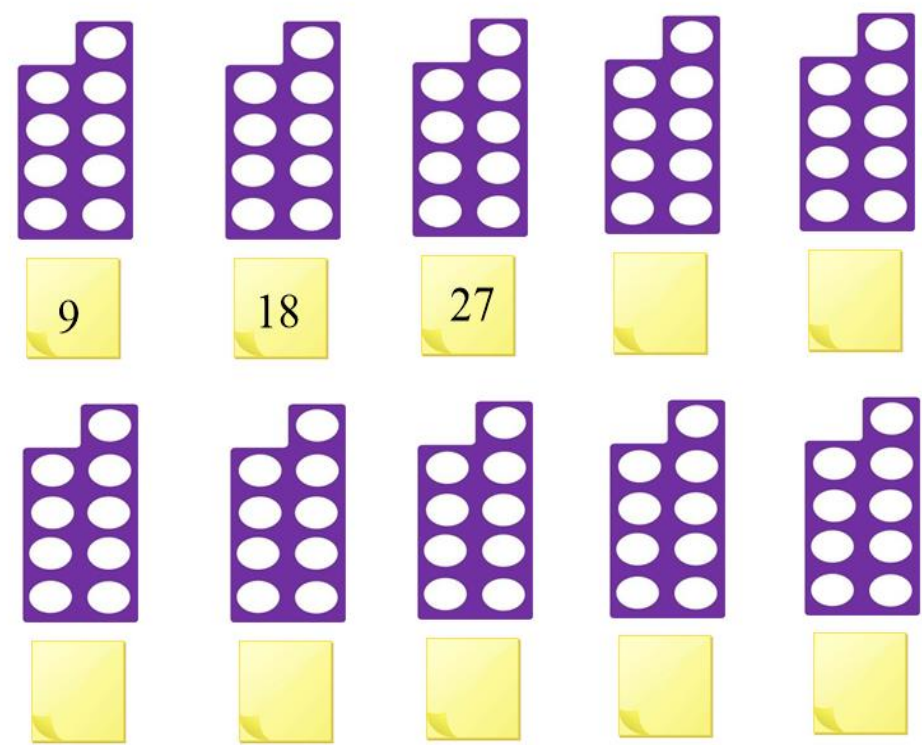


Task



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

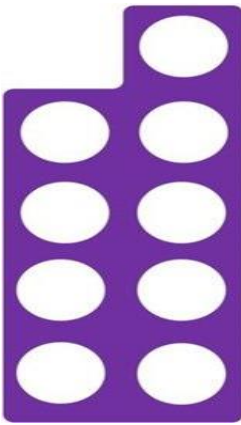
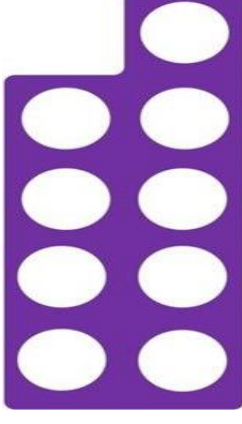
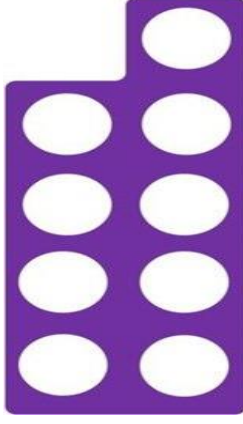
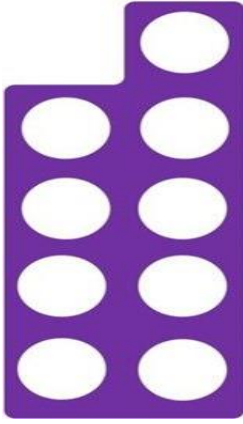
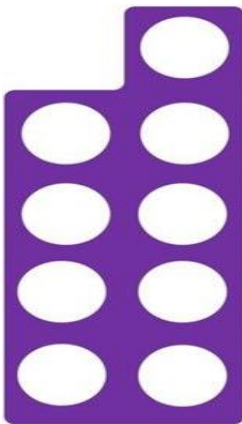
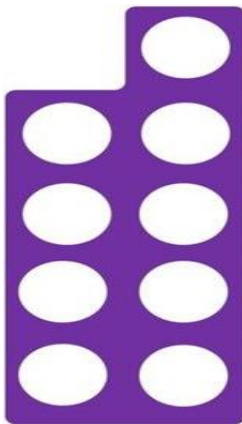
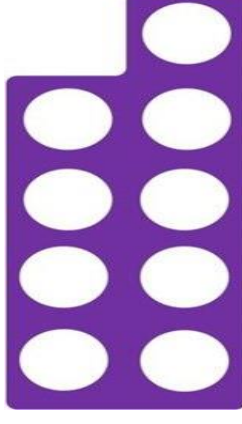
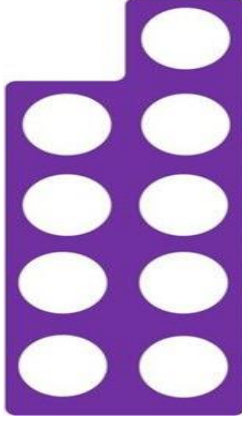
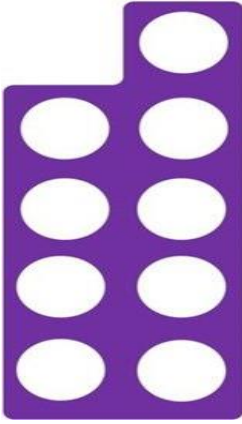
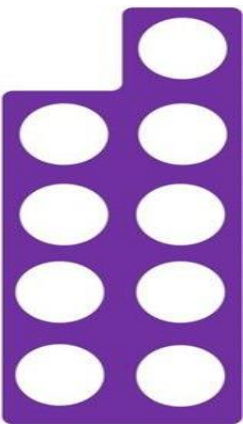
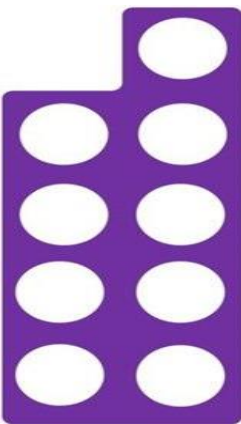
Complete by counting in 9s...



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 x 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, _____

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

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

Can you see any
patterns?

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$$12 \times 9 = 108$$

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?