Maths 8.1.21

Mental & Oral Starter

• Let's warm up by using our counting stick to count up in the 9x tables!

• Are you ready!?



WALT: Multiply and divide by 9

S2S: **I can**

- Learn strategies to support my recall of the 9 times table
- Fluently recall multiplication facts for the 9 times table
- Fluently recall division facts for the 9 times table





Let's Learn

9 Times Table Trick!

• Watch this video to learn a handy trick to help you with your 9 times table:

 <u>https://www.youtube.com/watch?v=wCpy</u> <u>ag9XLgI</u>









 $3 \times 4 = 12$

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9 X

So if I know my 3 times-table I can multiply that by 3

Independent Practice



Complete today's worksheet:

9 times-table and division facts	Rose Maths	Use the 100 square to complete these calculations. $72 \div 9 = 27 \div 9 = $			
How many hearts are there in total? Complete the multiplication fact.		3 Complete the calculations.			
		a) $3 \times 9 =$ g) $6 \times 9 =$ b) \bigcirc $\div 9 = 12$ h) $9 \times$ $= 18$ c) $9 \times 4 =$ i) $9 \times$ $= 72$ d) \bigcirc $\div 9 = 1$ j) \bigcirc $\div 9 = 11$	3 These numbers are all multiples of 9		Jack is making arrays.
2 Colour all the multiples of 9	1	e) 11 × 9 = k) × 9 = 45	a) Show that the sum of the digits of each number is		
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20		f) 10 × 9 = []]) 20 × 9 = []	the same.		
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 91 92 93 94 95 96 97 98 90 91 92 93 94 95 96 97 98 90 100		Complete the number tracks. 0 9 18 54 108 99 72 45 36	b) These numbers are also multiples of 9 198 657 891 999 What is the sum of the digits of each number?		a) Use the arroys to complete the multiplications. $1 \times 10 = 1 \times 9 = 2 \times 9 = 2 \times 10 = 2 \times 9 = 2 \times 9 = 2 \times 10 = 2 \times 9 = 2 \times 9 = 2 \times 10 = 2 \times 10 = 2 \times 10 = 2 \times 10 \times 10 = 2 \times 10 \times $
			c) I've noticed something about the sum of the digits of numbers that are multiples of 9 What do you thick Whitney has poticed?		c) Use your steps to work out these multiplications. $19 \times 9 = 22 \times 9 = 22$
	1		you think thinking has noteen.		×
	-		d) 7,59_ is a multiple of 9 What is the missing digit?	\bigcirc	
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Self-Assessment

• Have you been successful today?

• How do you know?

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