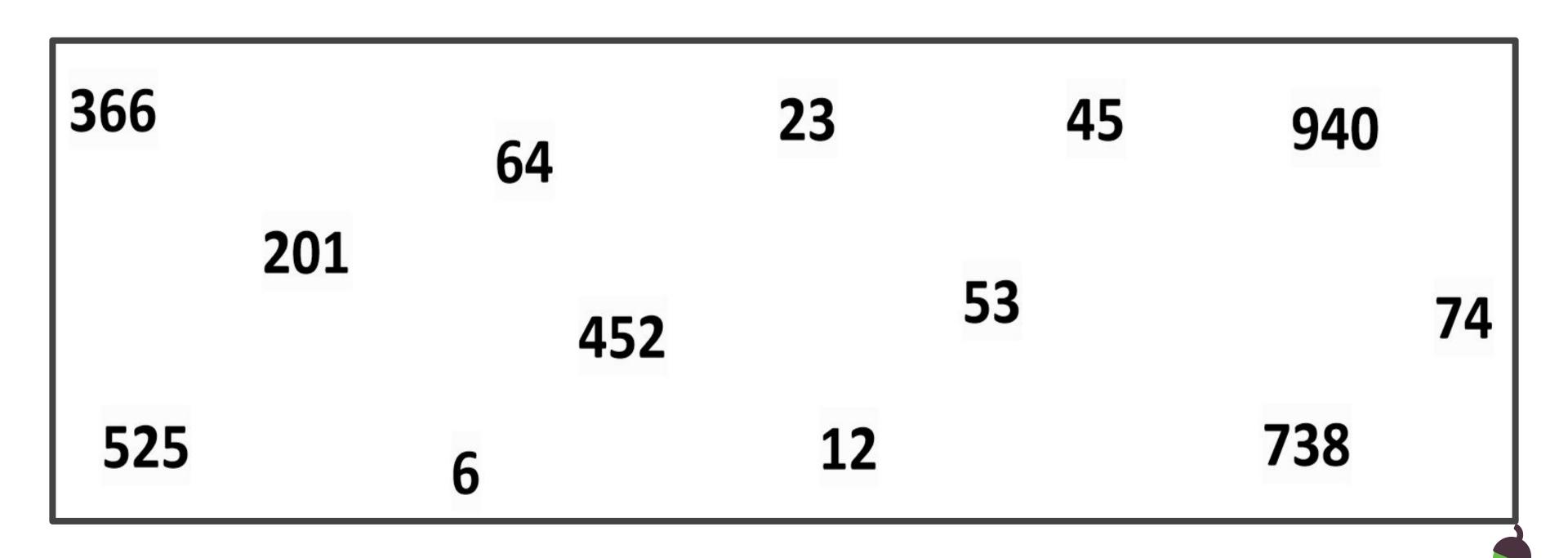
Mathematics

Securing multiplication facts: The nine times table Worksheet

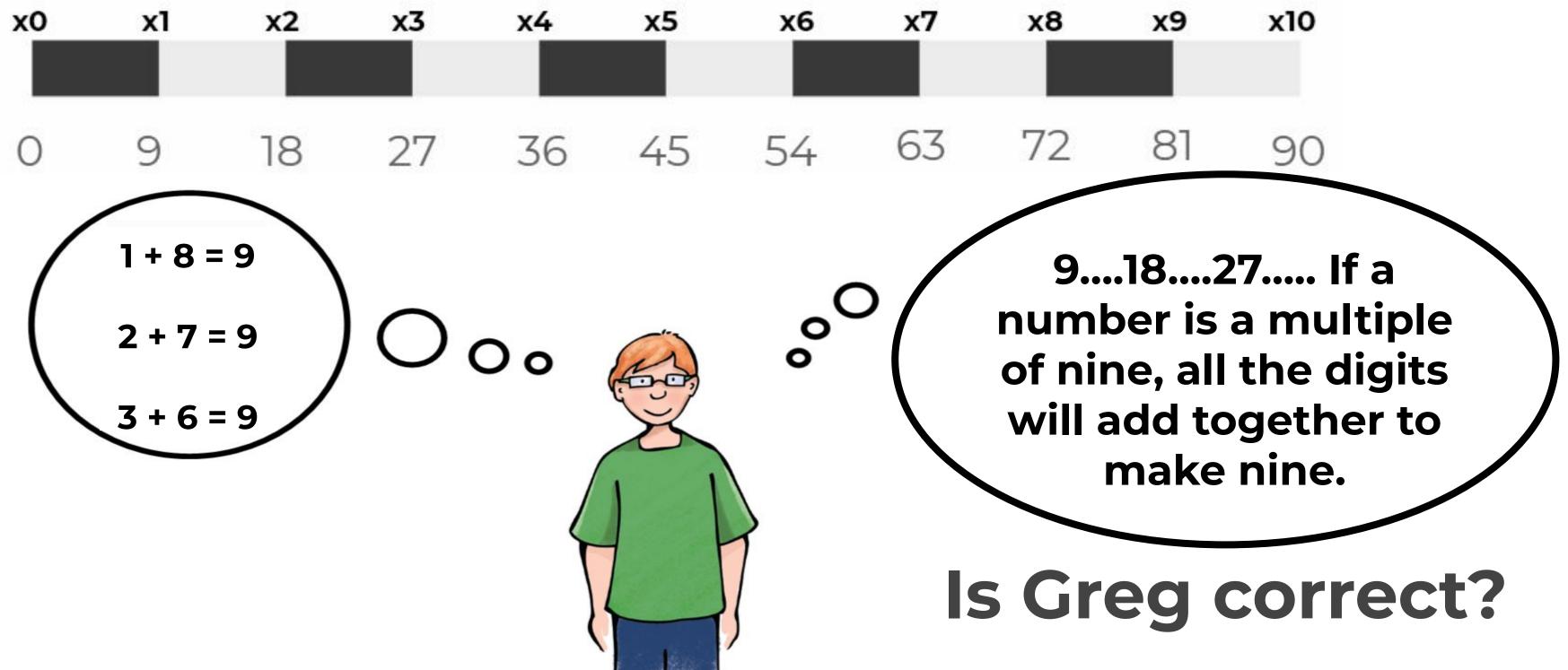
Mr Ward



Warm up - Multiple Mystery! Can you use your knowledge of the 3x multiplication table to identify the multiples of 3

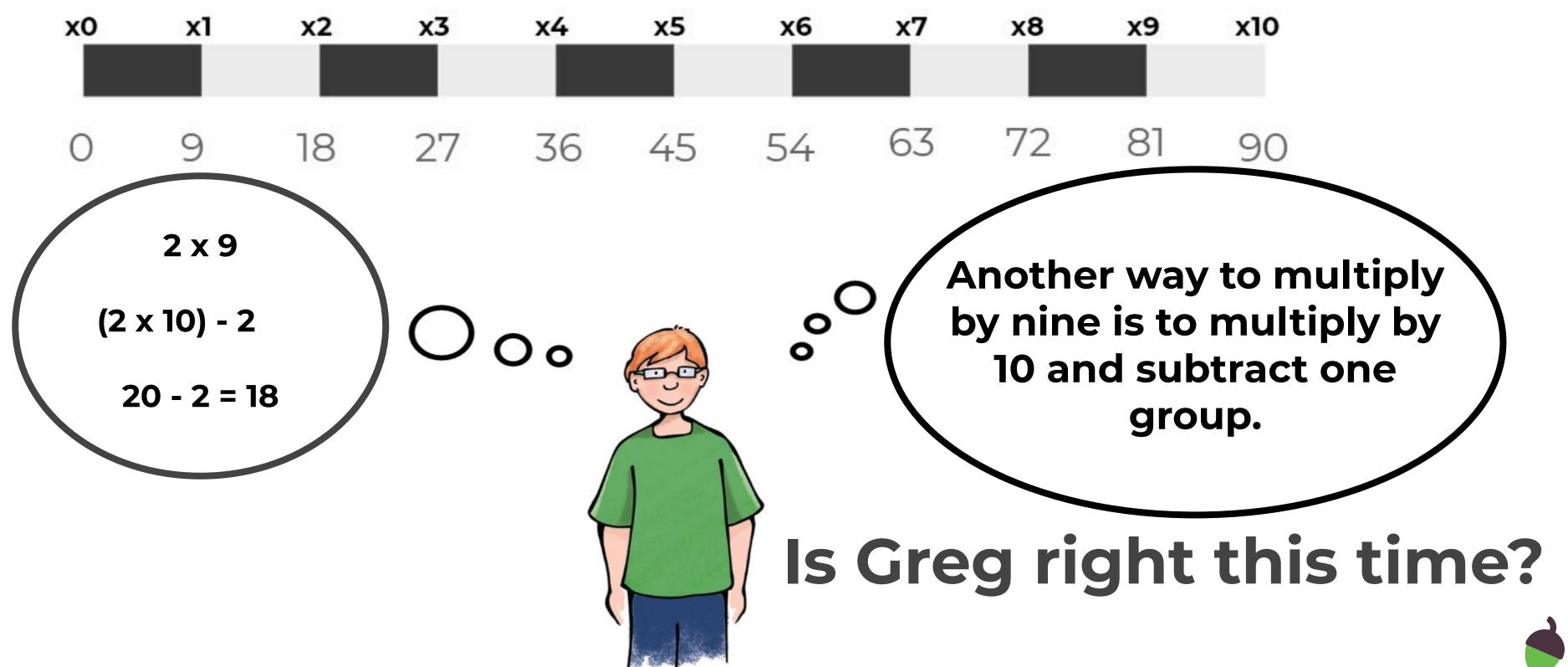


Exploring patterns in the 9x table Always, sometimes, never





Exploring patterns in the 9x table Always, sometimes, never



Multiplication mischief - Swap the digits!

- 1. Each equation is incorrect because two digits have swapped position.
- 2. Identify which two digits need to be swapped to create a correct multiplication equation.
- 3. Use a one of the different tricks and strategies shown to check answer is right!

For example $6 \times 9 = 73$ I need to swap the 6 and the 7.

$$6 \times 9 = 73 \longrightarrow 7 \times 9 = 63$$

$$9 \times 1 = 89$$

$$37 = 2 \times 9$$

$$90 \div 1 = 90$$

$$3 \times 9 = 67$$

$$28 \div 9 = 1$$

$$28 = 1 \times 9$$

$$9 = 91 \div 91$$

$$46 = 9 \times 3$$

$$55 \div 4 = 9$$

$$59 = 6 \times 4$$

$$78 \div 9 = 2$$

$$82 \times 9 = 101$$



Supporting resources

Nine times table						
$0 \times 9 = 0$	$9 \div 9 = 0$					
$1 \times 9 = 9$	$9 \div 9 = 1$					
$2 \times 9 = 18$	$18 \div 9 = 2$					
$3 \times 9 = 27$	$27 \div 9 = 3$					
4 × 9 = 36	$36 \div 9 = 4$					
$5 \times 9 = 45$	$45 \div 9 = 5$					
6 × 9 = 54	$54 \div 9 = 6$					
$7 \times 9 = 63$	63 ÷ 9 = 7					
$8 \times 9 = 72$	$72 \div 9 = 8$					
9 × 9 = 81	$81 \div 9 = 9$					
$10 \times 9 = 90$	$90 \div 9 = 10$					
11 × 9 = 99	99 ÷ 9 = 11					
$12 \times 9 = 108$	$108 \div 9 = 12$					

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
							28		
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
							58		
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



Challenge Slide

Jenna has put the nine times table in order in a line

09182736455463728190

What do you notice? Discuss this with someone.

(There are two patterns I noticed...can you see?)

