

Learning the number grid patterns activities



1 Fill a column

Place anchor cards in one column only — for example 3, 33 and 63. Students place the blank cards in the rest of that column, saying how they knew each one.

“What digit is the same all the way down this column? Place the blanks — how did you know where each goes?”

“Did you count, or did you use the right-hand digit?”

2 Fill a row

Place anchor cards in one row only — for example 40, 44 and 47. Students fill the rest of that row using the left-hand digit.

“What digit is the same all the way across this row? Fill the blanks.”

“How did you know — which digit told you?”

3 Place from both digits

Hand out number cards. Students place each at the intersection of its column (right-hand digit) and its row (left-hand digit), without counting. The spoken name of the number is not needed.

“What is the right-hand digit — which column? What is the left-hand digit — which row? Where do they meet?”

“Place it using the digits — no counting.”

4 Non-example: the card in the wrong cell

Place a card in the wrong cell — put 47 where 74 belongs, or 32 in the threes column. Include one correct placement too. Students check both digits.

“Is this card in the right cell? Check both digits.”

“Which pattern was broken — the column, the row, or were the two digits swapped?”

Learning the patterns — fill the grid from anchors



Print on A4. A few anchor numbers are given (shaded). Fill every other cell using the patterns — right-hand digit for the column, left-hand digit for the row. No counting.

0					5				
	11								
20							27		
			33						
40				44					
									59
			63						
							77		
90									99

Learning the patterns — number cards 0–49



Print on A4. Cut out. Place each card at the intersection of its column (right-hand digit) and its row (left-hand digit).

0	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			

Learning the patterns — number cards 50–99

Print on A4. Cut out. Place each card using both digits — no counting.



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			

Learning the patterns — blank placeholder cards

Print on A4. Cut out. Use a blank card to mark a cell that still needs a number.


