

Learning the number grid patterns introduction



1 Down the columns, across the rows

Lay the large floor grid flat and place a few anchor cards in their correct cells — for example 0, 2, 8, 11, 16, 20, 27 and 39. Leave the rest empty. Ask students what they notice, and collect what they say without judging it.

“Look at the grid. What do you notice about where the numbers sit? Tell me anything you see.”

Draw out the column pattern — point down a column and show that every number in it shares the same right-hand digit.

“Look down this column — two, and twenty-seven below it. What is the same? The right-hand digit — it stays the same all the way down.”

Draw out the row pattern — point across a row and show that every number in it shares the same left-hand digit.

“Look across this row — eleven and sixteen. What is the same? The left-hand digit — the same all the way across.”

Fill a blank using the pattern, not counting — a blank in the 3s column must have a right-hand digit of three; a blank in the 40s row must have a left-hand digit of four.

“This blank is in the threes column — what must its right-hand digit be? Three. You do not need to count to know that.”

Place a card from both digits — the right-hand digit tells the column, the left-hand digit tells the row; place the card where they meet.

“This card is sixty-four. right-hand digit four — that column; left-hand digit six — that row. Place it where they meet.”

Learning the patterns — blank 0–99 grid (floor demo)



Print on A4 (enlarge to A3 or tile for the floor). Place the anchor cards from the next page, then draw out the column pattern (same right-hand digit) and the row pattern (same left-hand digit).

Learning the patterns — anchor cards for the teaching sequence



Print on A4 (enlarge to A3 for the floor). Cut out. These are the anchor cards the introduction uses, grouped in the order you place them — shaded to match the anchor cells on the grid.

1. Notice the patterns — place these first



2. Fill a column — the threes column



3. Fill a row — the forties row



4. Place from both digits



Learning the patterns — completed 0–99 grid (reference)

For checking only. Every number in a column shares its right-hand digit; every number in a row shares its 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
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