GRADES 2-5 × MULTIPLICATION

The 12 x 12 chart

Hang it up. This is your trail map.

NAME _____ DATE _____

	1	2	3	4	5	6	7	8	9	10	11	12
1	1	2	3	4	5	6	7	8	9	10	11	12
2	2	4	6	8	10	12	14	16	18	20	22	24
3	3	6	9	12	15	18	21	24	27	30	33	36
4	4	8	12	16	20	24	28	32	36	40	44	48
5	5	10	15	20	25	30	35	40	45	50	55	60
6	6	12	18	24	30	36	42	48	54	60	66	72
7	7	14	21	28	35	42	49	56	63	70	77	84
8	8	16	24	32	40	48	56	64	72	80	88	96
9	9	18	27	36	45	54	63	72	81	90	99	108
10	10	20	30	40	50	60	70	80	90	100	110	120
11	11	22	33	44	55	66	77	88	99	110	121	132
12	12	24	36	48	60	72	84	96	108	120	132	144

GRADES 2-5 × MULTIPLICATION

Fill the chart

Fill every box. Patterns will pop out.

NAME _____ DATE _____

	1	2	3	4	5	6	7	8	9	10	11	12
1												
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

GRADES 2-5 × MULTIPLICATION

Challenge chart

Some boxes went missing. Fill them back in.

NAME _____ DATE _____

	1	2	3	4	5	6	7	8	9	10	11	12
1			3	4	5	6	7	8				
2	2					12	14	16	18	20	22	
3	3	6	9	12					27	30	33	36
4		8	12	16	20	24	28					48
5					25	30	35	40	45	50		
6	6	12	18					48	54	60	66	72
7	7	14	21	28	35	42					77	84
8				32	40	48	56	64	72			
9	9	18					63	72	81	90	99	108
10	10	20	30	40	50					100	110	120
11			33	44	55	66	77	88				
12	12					72	84	96	108	120	132	

GRADES 2-5 × MULTIPLICATION

Pattern hunt

Use the chart on page 1. Color, then answer.

NAME _____ DATE _____

1. Color every multiple of 3 yellow. What shape do the yellow boxes make?

   Diagonal stripes running from top-left to bottom-right.

2. Color every multiple of 5 blue. What do you notice about the blue boxes?

   They form a cross: a full row and a full column through the 5s.

3. Find all the square numbers (1, 4, 9, 16...). Where do they sit on the chart?

   They sit on the diagonal from the top-left corner to the bottom-right.

4. Which row looks exactly like skip counting by that number? Why?

   Every row: row 4 is 4, 8, 12, 16... which is skip counting by 4.

There are no wrong observations. If you see it, it counts.

GRADES 2-5 × MULTIPLICATION

Use the chart, then lose the chart

First 8 with the chart. Last 4 from memory. Cover it up!

NAME _____ DATE _____

01	5 × 5 = 25	02	2 × 5 = 10
03	9 × 6 = 54	04	9 × 7 = 63
05	7 × 2 = 14	06	7 × 3 = 21
07	3 × 5 = 15	08	11 × 8 = 88
09	10 × 9 = 90	10	6 × 12 = 72
11	10 × 12 = 120	12	9 × 8 = 72