

# .....'s Times Tables Learner

When you see 'times' or x, think 'rows of'. Examples ... 2x6 means 2 rows of 6 but 6x2 means 6 rows of 2.

1x1	1x2	1x3	1x4	1x5	1x6	1x7	1x8	1x9	1x10	1x11	1x12
2x1	2x2	2x3	2x4	2x5	2x6	2x7	2x8	2x9	2x10	2x11	2x12
3x1	3x2	3x3	3x4	3x5	3x6	3x7	3x8	3x9	3x10	3x11	3x12
4x1	4x2	4x3	4x4	4x5	4x6	4x7	4x8	4x9	4x10	4x11	4x12
5x1	5x2	5x3	5x4	5x5	5x6	5x7	5x8	5x9	5x10	5x11	5x12
6x1	6x2	6x3	6x4	6x5	6x6	6x7	6x8	6x9	6x10	6x11	6x12
7x1	7x2	7x3	7x4	7x5	7x6	7x7	7x8	7x9	7x10	7x11	7x12
8x1	8x2	8x3	8x4	8x5	8x6	8x7	8x8	8x9	8x10	8x11	8x12
9x1	9x2	9x3	9x4	9x5	9x6	9x7	9x8	9x9	9x10	9x11	9x12
10x1	10x2	10x3	10x4	10x5	10x6	10x7	10x8	10x9	10x10	10x11	10x12
11x1	11x2	11x3	11x4	11x5	11x6	11x7	11x8	11x9	11x10	11x11	11x12
12x1	12x2	12x3	12x4	12x5	12x6	12x7	12x8	12x9	12x10	12x11	12x12

1. Use a highlighter to tick all the ones you are certain you know.
2. If you tick one it means anyone can test you on it at any time and you will answer in a flash.
3. Each week choose three you don't know and put a small dot in the top left of their squares.
4. Learn them so you can answer in a flash.
5. When you are sure you know them ask someone to test you and include 7 more ticked ones.
6. When you pass the test on any of the three use the highlighter to tick them.
7. If you tick one it means anyone can test you on it at any time and you will answer in a flash.
8. If you miss any in the test put a dot in another corner of its square and keep learning it.
9. Repeat from Step 3 until all are ticked.

## Where Are The Answers?

- All the answers are on the sheet.
- You just have to find them.
- You need two (2) sheets of paper to help you hunt.

### Suppose you want to learn 7x8

- Slide the two sheets until 7x8 is in the bottom right corner.
- Put a dot in that square to show it's one you want to learn.

Underneath the writing there's lots of squares.

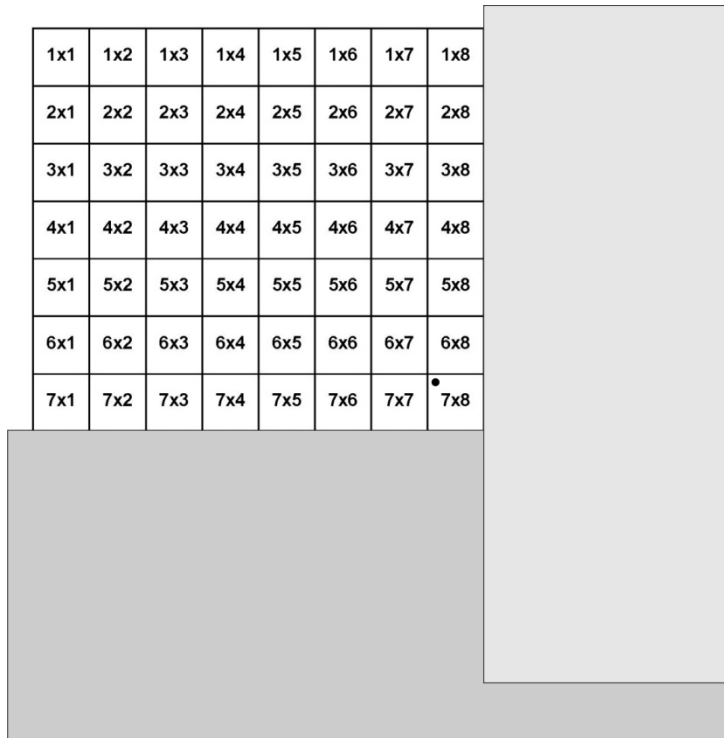
- The squares are in rows.
- The rows make rectangles.

The total of these squares is the answer to 7x8.

- Work out the answer to 7x8.
- Check your answer another way.
- Use your calculator to check again.

Write  $7 \times 8 =$  and its answer in your journal. Practise remembering it so you can answer in a flash.

Choose two more to learn. Use the chart to help you find their answers. Check another way then practise remembering them.



### Backwards Questions

(These are just for fun when you want a mathematician's challenge.)

- I'll tell you the number of squares.
- You tell me all the times tables from the chart that go with that number.
- Move the two sheets of paper around the chart to help you.

Copy this table into your journal and enter *all* the times tables that belong to each one.

Number of Squares	Times Tables from the Chart
1	
5	
9	
12	
15	
24	
36	
49	
84	
108	

Copy these and find the missing number in each one.

$$7 \times \dots = 28 \quad \dots \times 8 = 56 \quad \dots \times 3 = 33 \quad 10 \times \dots = 50 \quad 3 \times \dots = 21 \quad \dots \times 8 = 56$$