

Using a Multiplication Chart

Facts to Know

- Multiplication is just a rapid way to add the same number several times. For example, $7 + 7 + 7 + 7 + 7$ is the same as 5 times 7 or 35.

$$\begin{array}{r} 7 \\ 7 \\ 7 \\ 7 \\ 7 \\ + 7 \\ \hline 35 \end{array}$$

Adding five 7's is the same as multiplying 7 times 5.

$$7 \times 5 = 35$$

- The order of the numbers does not change the fact. For example, $7 \times 5 = 35$ and $5 \times 7 = 35$.

The multiplication chart shown here can be used to find any basic multiplication fact until you have learned them all.

One of the best ways to learn the facts is to practice using the chart.

		Columns											
Rows		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	

Read **down** for the *columns*
Read **across** for the *rows*.

Note: To find 4 times 8, run one finger down the 4 column and a finger on the other hand across the 8 row until they meet. The answer is the number 32 where the row and column intersect (meet).

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Multiplication

X	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144

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Six-in-a-Row

Directions: Write each one of the following numbers on the playing boards. All numbers must be used—no repeating of numbers is allowed! Take two 9-sided dice and roll them. Multiply the two numbers and use a counter to cover the answer on the playing board. The first player to have six counters in a row (either vertically, horizontally, or diagonally) wins the game!

Numbers to use: 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 12, 14, 15, 16, 18, 20, 21, 24, 25, 27, 28, 30, 32, 35, 36, 40, 42, 45, 48, 49, 54, 56, 63, 64, 72, 81

Playing Board #1

Playing Board #2

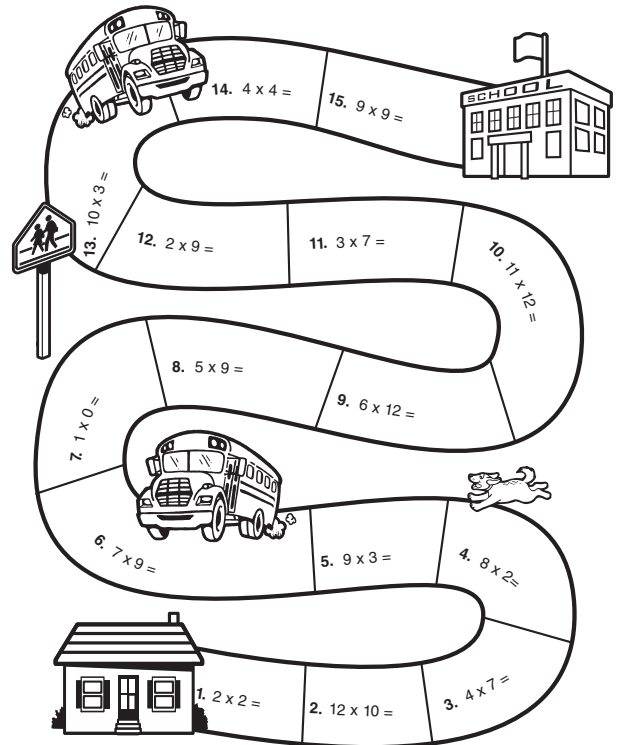
Playing Board #3

Playing Board #4

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Multiplication Trail

Directions: Follow the path from home to school to get you through the multiplication review.



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