



Horizontal Multiplication Lesson

Solve the following problems.

a) $5 \times 6 =$ _____

b) $9 \times 4 =$ _____

The two most common methods that are used to solve single digit multiplication problems are treating multiplication as repeated addition and memorizing times tables.

Repeated Addition Method

In this case each problem is re-written as an addition problem. Take the first and add it to itself the number of times of the multiplicand. For example:

a) $5 \times 6 = 5 + 5 + 5 + 5 + 5 + 5 = 30$

b) $9 \times 4 = 9 + 9 + 9 + 9 = 36$

Times Tables Method

We can work on memorizing the times table of numbers. Using this method we match the numbers in problem within the grid. As you can see, it doesn't matter which number you choose first.

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

A) $5 \times 6 = 30$

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

B) $9 \times 4 = 36$

