

Multiplication Table

by Patrick Quigley

	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

Sign Rules for Multiplication

$(positive) \times (positive) = (positive)$

$(negative) \times (negative) = (positive)$

$(positive) \times (negative) = (negative)$

Multiplication Property of One

$a \cdot 1 = 1 \cdot a = a$

Commutative Property for Multiplication

$a \cdot b = b \cdot a$

Associative Property for Multiplication

$(a \cdot b) \cdot c = a \cdot (b \cdot c)$

Multiplication Property of Zero

$a \cdot 0 = 0 \cdot a = 0$

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$$(positive) \times (positive) = (\quad)$$

$$(negative) \times (negative) = (\quad)$$

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Multiplication Property of One

$$a \cdot 1 = 1 \cdot a =$$

Commutative Property for Multiplication

$$a \cdot b =$$

Associative Property for Multiplication

$$(a \cdot b) \cdot c =$$

Multiplication Property of Zero

$$a \cdot 0 = 0 \cdot a =$$