

Name \_\_\_\_\_

### Multiplication Chart 1 to 11

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

### Multiplication Rules

1. Any number times 1 is the first number
2. Any number times 10 is the first number with a zero added to it
3. Any number times 11 is the number written twice (numbers 1 to 9)
4. To multiply by 2 double the number or skip count by 2s
5. To multiply by 5 skip count by 5s
6. To multiply by 9 use the fingers counting strategy or take 1 LESS than the number for the first digit then SUBTRACT that new number from nine to find the second digit

Name \_\_\_\_\_

## Multiplication Facts to Memorize

You only need to memorize 36 multiplication facts!

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

Any number times 0 is zero.

Any number times 1 is the first number.

Any number times 10 is the first number with a zero added to it

Any number times 11 is the number written twice (numbers 1 to 9)

Remember: The order you multiply does NOT matter.

Example:  $2 \times 3$  is the same thing as  $3 \times 2$ .