

SQUARE NUMBERS

NAME \_\_\_\_\_

A **square number** is a number that has been multiplied by itself.

**Square Number Definition**

A square number is **a number that has been multiplied by itself**. It is the product of two equal numbers.

For example, 36 is a square number because  $6 \times 6 = 36$ . This can be written as  $6^2 = 36$ , using index, or power, notation.

**Why are they called square numbers?**

Square numbers can be represented by square arrays of dots.



x	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

Practise and learn the square numbers up to 12x12. You will be tested on these next Friday.