

## I know the square roots of square numbers to 15 x 15

By the end of this half term the children should know the following facts. The aim is to recall them instantly

## What is the square of a number?

The square of a number is the number times itself. For example the square of 3 is 3x3. The square of 4 is 4x4.

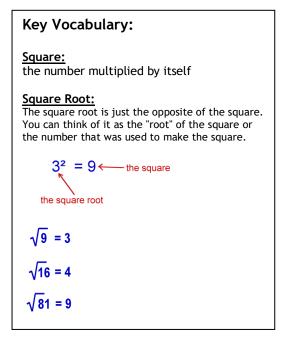
## Mathematical Sign for Square

To show that a number is squared, a small 2 is placed to the top right of the number. Like this:

 $3^2$   $4^2$   $x^2$ 

These signs are the same as saying "3 squared, 4 squared, and x squared". The number "to the power of 2" is the same as the number squared.

1 <sup>2</sup>	1 x 1	1
2 <sup>2</sup>	2 x 2	4
3 <sup>2</sup>	3 x 3	9
4 <sup>2</sup>	4 x 4	16
5 <sup>2</sup>	5 x 5	25
6²	6 x 6	36
<b>7</b> <sup>2</sup>	7 x 7	49
8 <sup>2</sup>	8 x 8	64
9²	9 x 9	81
10 <sup>2</sup>	10 x 10	100
11²	11 x 11	121
12²	12 x 12	144



## Why is it called square?

You can visualize the square of a number as an actual square. Here are some example squares of different numbers:

