Squares and Square Roots

Square numbers

A square number is a number multiplied by itself. This can also be called 'a number squared'. The symbol for squared is ^{2}.

$1^2 = 1 \times 1 = 1$

$2^2 = 2 \times 2 = 4$

$3^2 = 3 \times 3 = 9$

$4^2 = 4 \times 4 = 16$

$5^2 = 5 \times 5 = 25$ etc.

The square numbers up to 100 are: 1, 4, 9, 16, 25, 36, 49, 64, 81, 100

Square root

The opposite of squaring a number is called finding the **square root**.

The symbol for the square root is $\sqrt{}$.

Example

The square root of 16 is 4 (because $4^2 = 4 \times 4 = 16$).

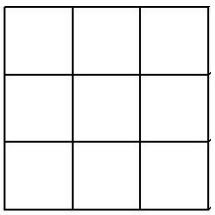
The square root of 25 is 5 (because $5^2 = 5 \times 5 = 25$).

$\sqrt{121}$ means the square root of 121 which is equal to 11.

$\sqrt{225}$ means the square root of 225 which is equal to 15.

To find the cube of a number using the calculator, press $\mathbf{x^2}$ and to find the cube root of a number press $\sqrt{}$.

Squares and square roots could be demonstrated using this square.



$3^2 = 3 \times 3 = 9$

$\sqrt{9} = 3$