SQUARE ROOTS \& PERFECT SQUARES
To understand square roots, first let's take a look at squares.
How to Square a Number: Just multiply it by itself.
Squares fiom $1^{2}$ to $12^{2}$ PERFECT SQUARES


## Square Roots:

A square root goes the other way:


3 squared is 9 , so a square root of 9 is 3
A square root of a number is a value that can be multiplied by itself to give the original number.
A square root of $\mathbf{9}$ is $\mathbf{3}$, because when $\mathbf{3}$ is multiplied by itself we get 9 .
It is like asking "what can we multiply by itself to get this?"

## The Square Root Symbol

$\sqrt{\text { This is the special symbol that means "square root". It is called the radical. }}$
To Help You Remember: Think of the root of a tree.


