

# Square Numbers and Square Roots

A **square number** is the result when a number has been multiplied by itself.

We use a power of 2 to show this.

 Example

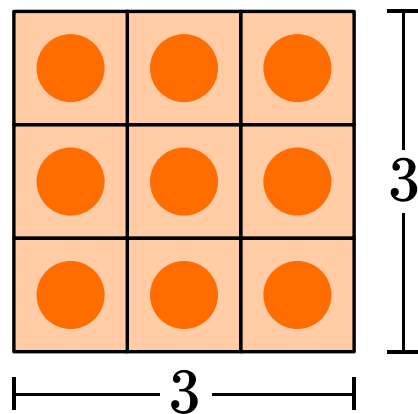
$$3 \times 3 = 3^2 = 9$$

**Square rooting** is the inverse operation of squaring a number.

We use the symbol  $\sqrt{\quad}$

 Example

$$\sqrt{9} = 3$$



The area of this  $3 \times 3$  **square** is 9 small squares:  $3^2 = 9$