



## Year 6, Term 6

Target: know square roots of square numbers up to 15 x 15

*By the end of this half term, children should know and be able to recall the following facts instantly:*

### Key vocabulary

square number, square root,  
cube number, cube root, multiply  
by itself, to the power of...

### Key questions

What is the square root of the number 64?

What is 9 cubed?

What does  $4^2$  mean?

### Examples

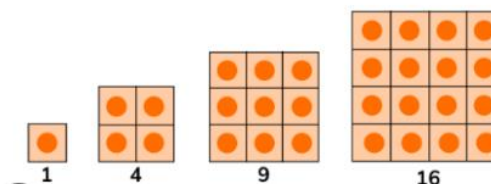
$$\begin{aligned}\sqrt{1} &= 1 \\ \sqrt{4} &= 2 \\ \sqrt{9} &= 3 \\ \sqrt{16} &= 4 \\ \sqrt{25} &= 5 \\ \sqrt{36} &= 6 \\ \sqrt{49} &= 7 \\ \sqrt{64} &= 8 \\ \sqrt{81} &= 9 \\ \sqrt{100} &= 10\end{aligned}$$

A **square number** is a number that is multiplied by itself.  
When we square a value we always get a positive answer.

E.g.

$4 \times 4$  can be written as  $4^2$

It is spoken as "4 squared" or "4 to the power of 2"



### Useful websites

<https://www.bbc.co.uk/bitesize/topics/zyhs7p3/articles/z2ndsrd>

[https://www.mathematics-monster.com/tests/bubble\\_pop\\_square\\_numbers\\_test.html](https://www.mathematics-monster.com/tests/bubble_pop_square_numbers_test.html)

<https://wordwall.net/resource/359010/maths/square-numbers>

<https://wordwall.net/resource/5223760/maths/square-numbers>

<https://wordwall.net/resource/50671/maths/square-numbers>