

# Square / Cube Numbers

Square and cube numbers are special results you get when multiplying a number by itself - or by itself twice!

A square number is a number multiplied by itself once:  
 $2 \times 2 = 4$ , so 4 is a square number.

A cube number is a number multiplied by itself twice:  
 $2 \times 2 \times 2 = 8$ , so 8 is a cube number.

Square numbers are linked to area (think of squares on a grid), while cube numbers are linked to volume (think of cubes in 3D). Both help us describe shapes, patterns, and real-world quantities in maths and science.

## Common Square Numbers

$1^2 = 1$	$2^2 = 4$	$3^2 = 9$	$4^2 = 16$	$5^2 = 25$
$6^2 = 36$	$7^2 = 49$	$8^2 = 64$	$9^2 = 81$	$10^2 = 100$
$11^2 = 121$	$12^2 = 144$	$13^2 = 169$	$14^2 = 196$	$15^2 = 225$

## Common Cube Numbers

$1^3 = 1$	$2^3 = 8$	$3^3 = 27$	$4^3 = 64$	$5^3 = 125$
$6^3 = 216$	$7^3 = 343$	$8^3 = 512$	$9^3 = 729$	$10^3 = 1000$