

Max's Magnificent Square Numbers

Step into the Square! Can you spot the patterns hidden in the numbers?

- A square number is the result of multiplying a whole number by itself. For example, $5 \times 5 = 25$, so 25 is a square number.
- We show that a number is squared by writing a small '2' above it, like this: 4^2 . This is read as 'four squared'.
- The first five square numbers are: 1 (1×1), 4 (2×2), 9 (3×3), 16 (4×4), and 25 (5×5).
- Square numbers are called 'square' because they can be drawn as a perfect square shape using dots or counters.
- To find 6 squared (6^2), you multiply 6 by 6 to get 36. Try it with other numbers up to 12!

Did you know? Did you know? If you arrange pebbles into a perfect square shape where the number of rows equals the number of columns, the total number of pebbles is always a square number! For example, a 3×3 grid uses 9 pebbles, making 9 a square number.

Key vocabulary: Square number · Product · Integer · Array · Multiplication · Squared