Max the Monkey's Square Numbers Challenge

Learning objective: To identify, calculate, and recognise square numbers up to 12 x 12, understanding their geometric representation.

Read the front of each card to challenge your knowledge of square numbers. Try to calculate the answer before revealing the hidden side. Max the Monkey uses these to solve his jungle puzzles!

What is the definition of a square number?	What is 4 squared (4^2)?
A square number is the result of multiplying an integer by itself (e.g., 3 x 3 = 9).	16
Which square number is equal to 7 x 7?	**True or False: 20 is a square number.**
49	False (the nearest square numbers are 16 and 25).
What is 9 squared (9^2)?	**If Max has an array of counters that is 6 rows by 6 columns, how many counters are there in total?**
81	36
What is 12 squared (12^2)?	**Which square number comes after 100?**
144	121 (11 x 11).
What is 0 squared (0^2)?	**What is the square root of 64?**
0	8
Is 1 a square number?	**Max bought 5 packets of stickers, each costing £5. Is the total cost a square number?**
Yes, because 1 x 1 = 1.	Yes, 5 x 5 = £25.