Max's Cube Number Challenge

Learning objective: To identify, calculate, and recognise cube numbers up to 10 cubed.

Use these flashcards to test your knowledge of cube numbers. Max the monkey has hidden the answers behind the vertical line. Try to solve the calculation before checking the answer!

What is the definition of a cube number?	A number formed by multiplying a whole number by itself twice (e.g., n × n × n).

What is 1 cubed (1^3)?	$1 \times 1 \times 1 = 1$

What is 2 cubed (2^3)?	$2 \times 2 \times 2 = 8$

What is 3 cubed (3^3)?	$3 \times 3 \times 3 = 27$

What is 4 cubed (4^3)?	$4 \times 4 \times 4 = 64$

What is 5 cubed (5^3)?	$5 \times 5 \times 5 = 125$

What is 6 cubed (6^3)?	$6 \times 6 \times 6 = 216$

What is 10 cubed (10^3)?	$10 \times 10 \times 10 = 1{,}000$

If a cube has a side length of 3cm, what is its volume in cubic centimetres?	$27cm^3$ ($3 \times 3 \times 3$)

Max has 8 blocks. Can he arrange them into a perfect cube?	Yes, because 8 is a cube number (2^3).

Is 100 a cube number?	No, 100 is a square number (10^2), but not a cube number.