Square and cube numbers



Use counters to show that 4, 9 and 16 are square numbers. Draw your answers.

2 Match the representations.



4 cubed



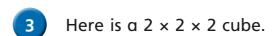
3 squared



 4×4

л	-)
/1	4	-

2³





How many cubes do you need to build a $3 \times 3 \times 3$ cube?

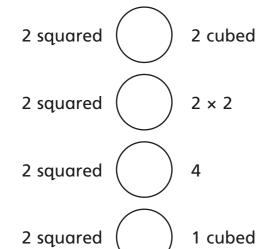
4 Complete the table.

2 ²	2 × 2	4
2 ³	2 × 2 × 2	
3 ²		
3 ³		
2		25
	5 × 5 × 5	

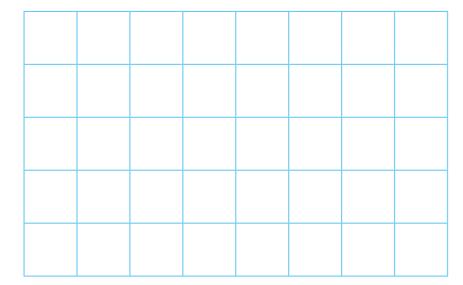
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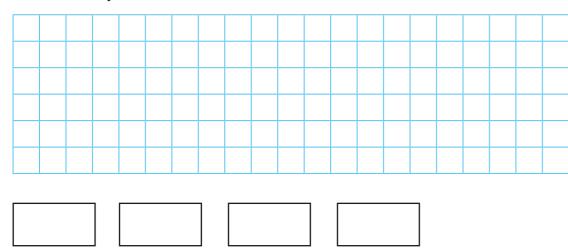
5	Write <.	> or =	to complete	the statements.



6 Draw 3 straight lines to split this grid into 3 squares and 1 rectangle.



7 Find four square numbers between 100 and 200



8	Dexter works	out 20 squared
· ·	Dexiel Works	out 20 squarea

Annie works out 20 cubed.

Find the difference between Dexter's and Annie's numbers.

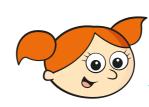


I am thinking of
2 numbers. When I add them
I get a prime number. When I
multiply them I get a
square number.



What numbers could Mo be thinking of?

b)



I am thinking of
2 numbers. When I add them
I get a square number. When I
multiply them I get a
prime number.

What numbers could Alex be thinking of?

