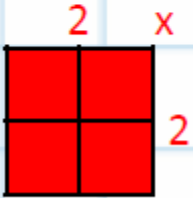


Squared numbers

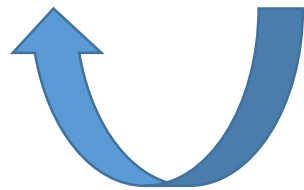
A square number is a number multiplied by itself. It is written as a small 2 after the number.

For example:

$$2^2 = 2 \times 2 = 4$$



<https://www.youtube.com/watch?v=aJXnJ2aOA0E>



Watch this song to help you learn some of the squared numbers!

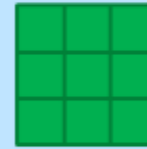
Square numbers get their name from the pattern they make.



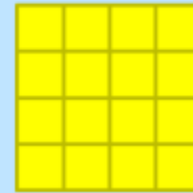
$$\text{Area} = 1 \times 1 = 1^2 = 1$$



$$\text{Area} = 2 \times 2 = 2^2 = 4$$



$$\text{Area} = 3 \times 3 = 3^2 = 9$$



$$\text{Area} = 4 \times 4 = 4^2 = 16$$

https://www.youtube.com/watch?v=S9v_rfjUMv8

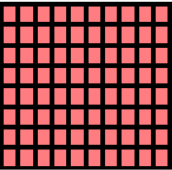
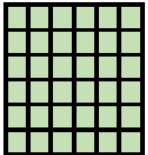
Click on the this link to see more!



Question	Answer
1^2	
2^2	
3^2	
4^2	
5^2	
6^2	
7^2	
8^2	
9^2	
10^2	
11^2	
12^2	

Try these questions about squared numbers:

Complete the table below.

$\underline{\quad}^2$		64
6^2		

Match the square numbers to the correct representations.

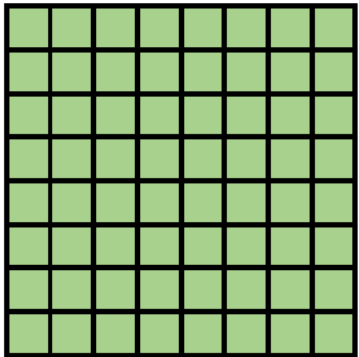
$$12^2$$

$$8^2$$

$$4^2$$



$$144$$



Complete the table below.

$\underline{\quad}^2$	5×5	
	9×9	
12^2	$\underline{\quad} \times \underline{\quad}$	
	$\underline{\quad} \times \underline{\quad}$	100

Frankie says,

I can use this array to
calculate 5^2 .



Is Frankie correct? Convince me.



Solve the following problems.

I think of a number. I square it and
add 11. My answer is 92.
What was my number?

I think of another number. I square it
and subtract 14. My answer is 107.
What was my number?