

MathFLIX CHALLENGE

Odd squares

There are many different ways to classify numbers. One way is by using shapes. The sum of consecutive odd numbers forms square numbers. Use the chart below to illustrate this interesting math truth.

#	Square #	Sum of odd #	# of unit squares colored	Color
1	1	1	1	white
2	4	1 + 3	3	grey
3		1 + 3 + 5	5	black
4				green
5				
6				
7				
8				
9				
10				

pink										
orange										
purple										
yellow										
red										
blue										
green	4	4	4	4						
black	3	3	3	4						
grey	2	2	3	4						
white	1	2	3	4						
	white	grey	black	green	blue	red	yellow	purple	orange	pink