The Power of Doubling



Numbers

An ancient Chinese tale tells of an emperor who rewards a servant's wisdom by granting a wish. The servant asks for rice: one grain on the first chessboard square, doubling on each subsequent square. By the board's end, the amount becomes astronomical, illustrating the power of exponential growth. Can you figure out how many grains the servant would have if every square was covered?



1	2	4	8	16						
-51	- James			1	() ups	chool	1		15	