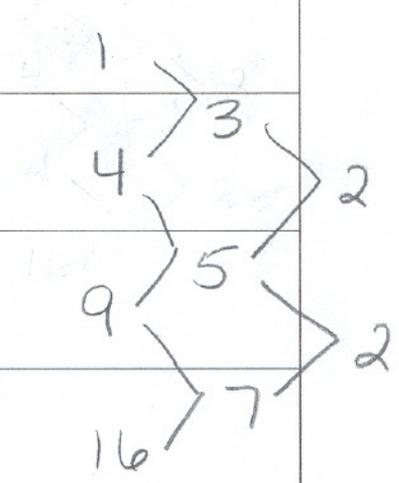


KEY FOR FIGURATIVE FUN

Square Numbers

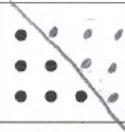
Term Number	Visual Form	Written Description	Process Column	Numerical Value of Term
1	•	A square made of 1 dot.	$1^2 = 1$	1
2	•• ••	A square made of 4 dots.	2^2	4
3	••• ••• •••	A square made up of 9 dots.	3^2	9
4	•••• •••• •••• ••••	A square made up of 16 dots.	4^2	16
58			58^2	3364
100			100^2	10,000
n			n^2	



Oblong Numbers

Term Number	Visual Form	Written Description	Process Column	Numerical Value of Term
1	••	A rectangle made of 2 dots.	$1(1+1)$	2
2	••• •••	A rectangle made of 6 dots.	$2(2+1)$ or $2^2 + 2$	6
3	•••• •••• ••••	A rectangle made up of 12 dots.	$3(3+1)$ or $3^2 + 3$	12
4	••••• ••••• ••••• •••••	A rectangle made up of 20 dots.	$4(4+1)$ or $4^2 + 4$	20
58				3422
100			$100^2 + 100$	10,100
n			$n(n+1)$	

Triangle Numbers

Term Number	Visual Form	Written Description	Process Column	Numerical Value of Term
1		A triangle made of 1 dot.	$1+0$ $\frac{1 \cdot 2}{2}$	1
2		A triangle made of 3 dots.	$2+1$ $\frac{2 \cdot 3}{2}$	3
3		A triangle made up of 6 dots.	$3+2+1$ $\frac{3 \cdot 4}{2}$	6
4		A triangle made up of 10 dots.	$4+3+2+1$ $\frac{4 \cdot 5}{2}$	10
58	half of oblong pattern p.49		$58+57+56+\dots+1$ $\frac{58 \cdot 59}{2}$	
100			$\frac{100(101)}{2}$	
n			$\frac{n(n+1)}{2}$	