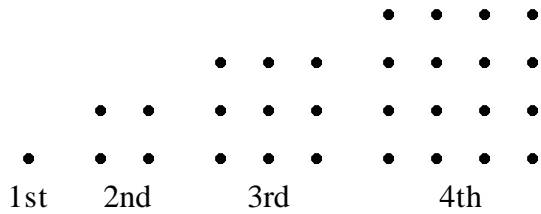


COUNTDOWN Challenge

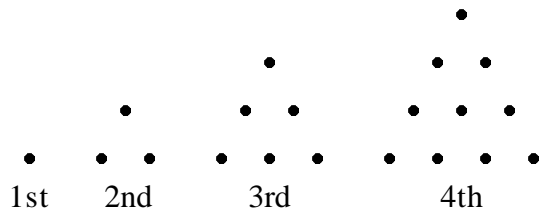
Figurate Numbers

Square numbers can be illustrated with dots in a square pattern. Study the patterns below and complete the chart



<u>Square Number</u>	<u># of Dots</u>
1st	1
2nd	4
3rd	_____
4th	_____
5th	_____
6th	_____
7th	_____
8th	_____
10th	_____
⋮	⋮
25th	_____
50th	_____
n -th	_____

Triangular numbers can be illustrated with dots in a triangular pattern. Study the patterns below and complete the chart.



<u>Triangular Number</u>	<u># of Dots</u>
1st	1
2nd	3
3rd	_____
4th	_____
5th	_____
6th	_____
7th	_____
8th	_____
10th	_____
⋮	⋮
25th	_____
50th	_____
n -th	_____