Day 2: Number Visuals

Consecutive Numbers

The number 12 can be written as a sum of consecutive numbers,
3 + 4 + 5 = 12.
Another example of a consecutive number sum is 3 since
1 + 2 = 3.
Can all numbers be written as sums of consecutive numbers? Can some consecutive number sums be written in more than one way?

Using the hundred chart circle three numbers in a row (horizontally) and add them. Try this with several sets of numbers. Do you see a pattern? Does your pattern work for every group of three consecutive numbers? Write a convincing argument.

Using the hundred chart circle four adjacent numbers to form a square. If you add the diagonals what do you think will happen? What does happen? Does this work for every group of numbers in this pattern? What do you wonder? Write a convincing argument.

Using the hundred chart circle four adjacent numbers to form a square. If you multiply the diagonals what do you think will happen? What does happen? Does this work for every group of numbers in this pattern? What do you wonder? Write a convincing argument.

Day 2: Number Visuals

Hundred Chart

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100