

Exploring the World of Math

Name: _____ Date: _____

Flip a Coin

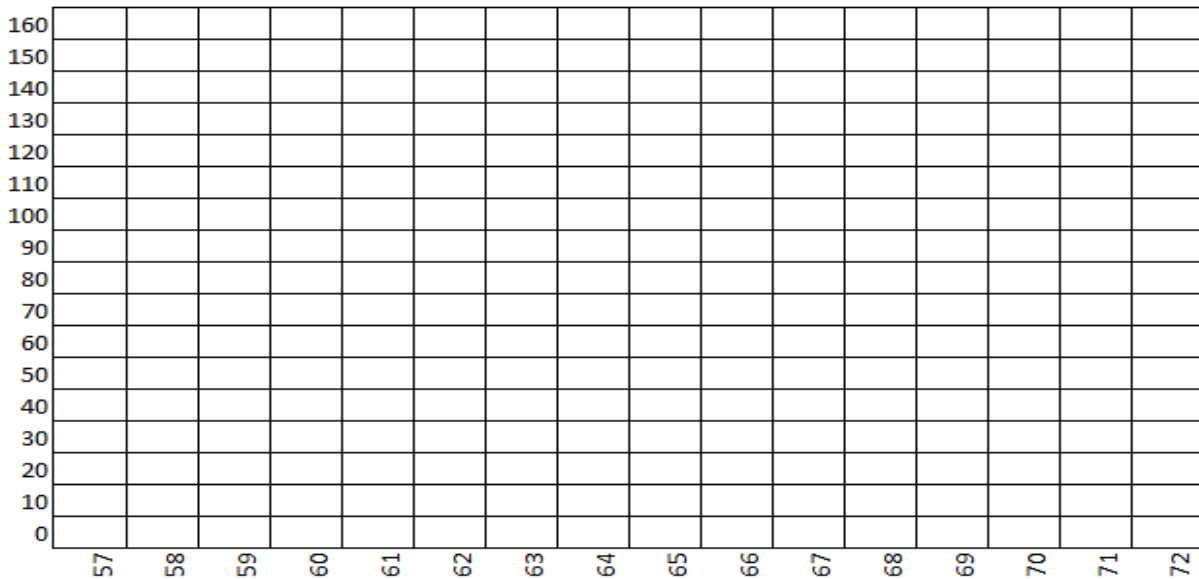
- Flip a coin one hundred times using the program at <http://www.random.org/coins/>. We find the US 10 cent dime is the easiest to read. Set the coin flip for 100 times. Flip the coins and count the number of heads. Record your data in the chart. Flip the coin again for up to 20 times.

										1	1	1	1	1	1	1	1	1	1	2
1	2	3	4	5	6	7	8	9	0	1	2	3	4	5	6	7	8	9	0	

Bell Chart

- 3915 college women were surveyed about their height. The tally of the response is shown. Plot the points and create a line graph of the data

Ht	Qty	Ht	Qty	Ht	Qty	Ht	Qty	Ht	Qty	Ht	Qty
57.00	1	59.50	21	62.00	95	64.50	157	67.00	95	69.50	21
57.25	2	59.75	25	62.25	105	64.75	156	67.25	86	69.75	17
57.50	3	60.00	31	62.50	114	65.00	154	67.50	76	70.00	14
57.75	4	60.25	37	62.75	123	65.25	150	67.75	67	70.25	11
58.00	5	60.50	43	63.00	131	65.50	145	68.00	59	70.50	8
58.25	6	60.75	51	63.25	139	65.75	139	68.25	51	70.75	6
58.50	8	61.00	59	63.50	145	66.00	131	68.50	43	71.00	5
58.75	11	61.25	67	63.75	150	66.25	123	68.75	37	71.25	4
59.00	14	61.50	76	64.00	154	66.50	114	69.00	31	71.50	3
59.25	17	61.75	86	64.25	156	66.75	105	69.25	25	71.75	2
										72.00	1

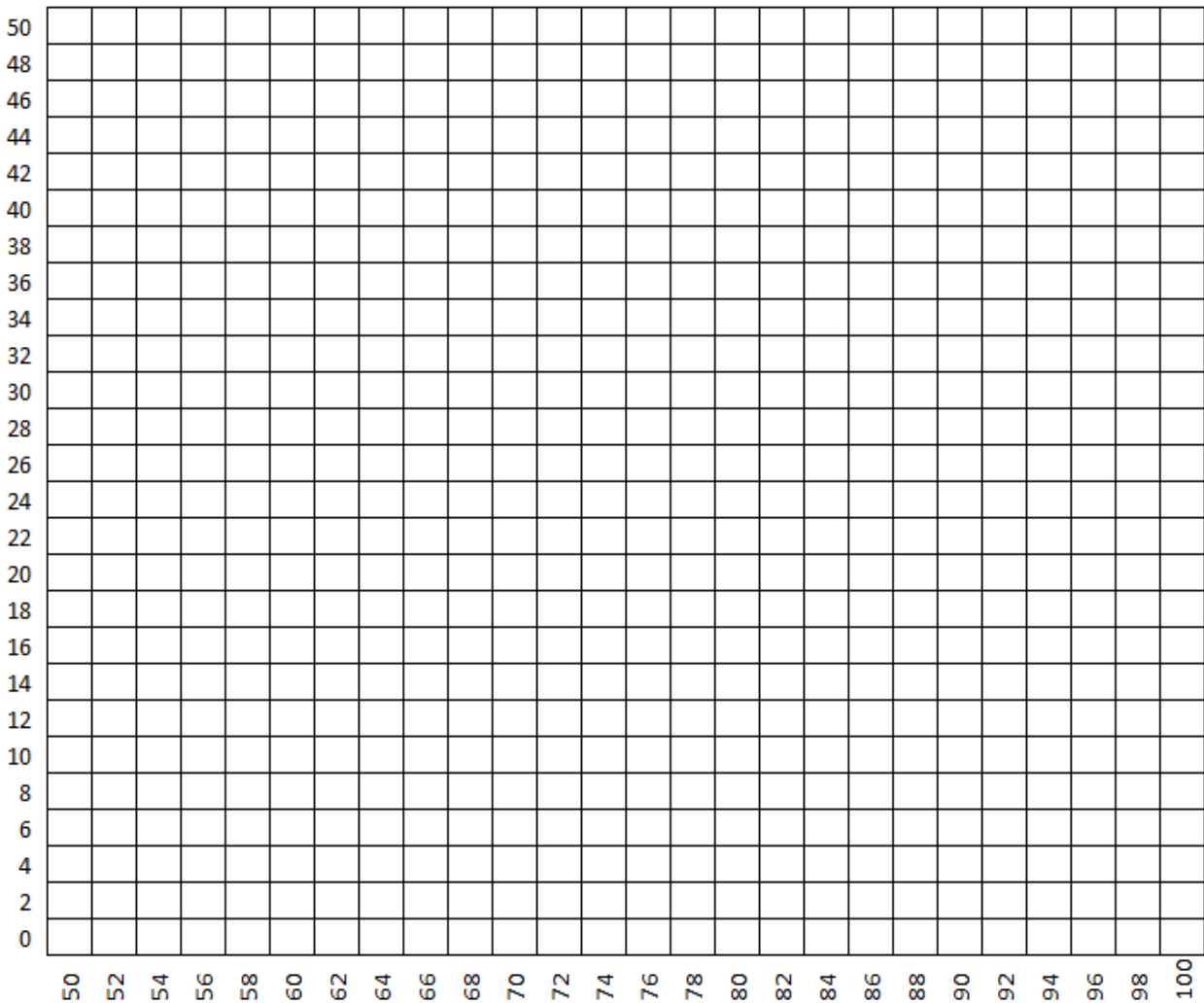


Label the point of inflection, standard deviation and lines for quartile 1 and 4.

Exploring the World of Math

3. 1087 college students took a general science exam. They scored between 52 and 100. The tally of the results is shown. Plot the points and create a line graph of the data

Score	Qty	Score	Qty	Score	Qty	Score	Qty	Score	Qty
52	1	62	16	72	41	82	37	92	12
53	3	63	19	73	43	83	35	93	10
54	4	64	21	74	44	84	32	94	8
55	4	65	24	75	44	85	30	95	7
56	6	66	27	76	45	86	27	96	6
57	7	67	30	77	44	87	24	97	4
58	8	68	32	78	44	88	21	98	4
59	10	69	35	79	43	89	19	99	3
60	12	70	37	80	41	90	16	100	1
61	14	71	39	81	39	91	14		



Label the point of inflection, standard deviation and lines for quartile 1 and 4.