

137 - Worksheet - Frequency Tables, Histograms

**Part 1 - Review of Mean, Median, Mode, Range, Frequency Tables, and Histograms**

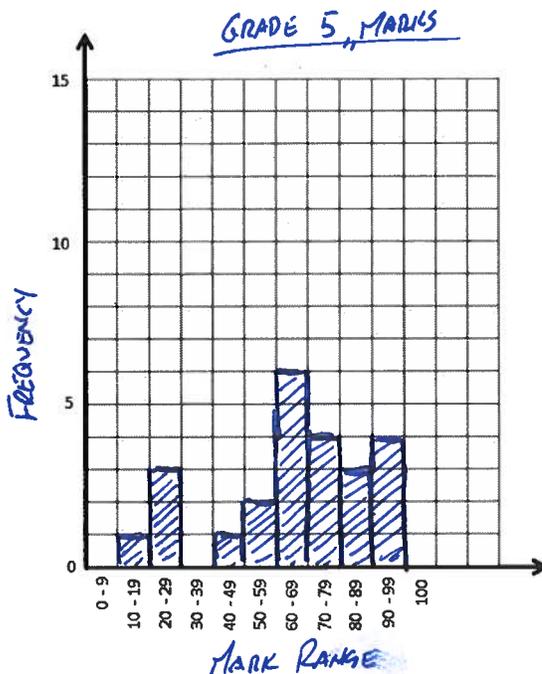
Mr. Hopper teaches Grade's 5 and 6, and is comparing the success of his students at each grade. The students' marks are listed below.

Marks per Class									
Grade 5					Grade 6				
67	74	12	69	93	77	65	80	45	6
80	91	66	78	55	83	94	78	71	16
79	96	83	83	48	24	77	81	63	28
67	68	55	93	76	67	89	54	81	67
24	24	64	29		89	54	81	67	82
					57	85	73		

**Q1:** For Grade 5, reorganize the data to determine *mean, median, mode*, and *range*, and draw a Histogram.

Reorganize the data from least to greatest			
12, 24, 24, 29, 48, 55, 55, 64, 66, 67, 67, 68, 69, 74, 76, 78, 79, 80, 83, 83, 91, 93, 93, 96,			
Determine the mean	Determine the median	Determine the mode(s)	Determine the range
65.58 $\bar{3}$	68.5	24, 55, 67, 83, 93	96 - 12 = 84

Mark Range	Frequency
0 - 9	0
10 - 19	1
20 - 29	3
30 - 39	0
40 - 49	1
50 - 59	2
60 - 69	6
70 - 79	4
80 - 89	3
90 - 99	4
100	0



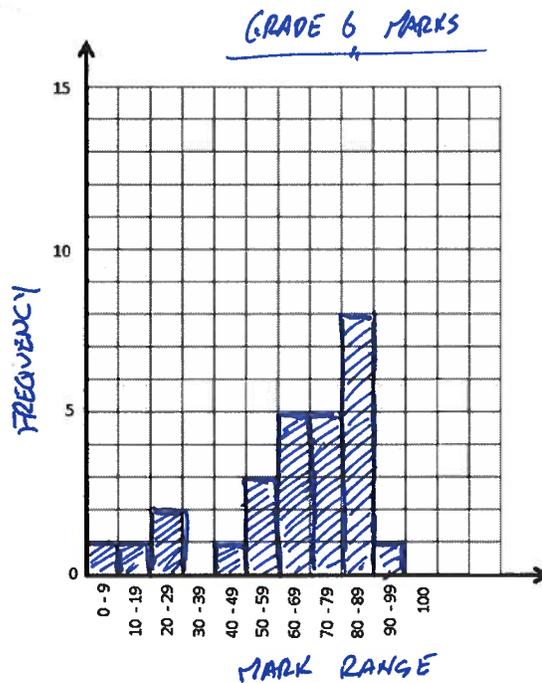
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Q2: For Grade 6, reorganize the data to determine *mean*, *median*, *mode*, and *range*, and draw a Histogram.

Reorganize the data from least to greatest			
6, 16, 24, 28, 45, 54, 54, 57, 63, 65, 67, 67, 67, 71, 73, 77, 77, 78, 80, 81, 81, 81, 82, 83, 85, 89, 89, 94,			
Determine the mean	Determine the median	Determine the mode	Determine the range
65.5	72	67, 81	94-6 = 88

Mark Range	Frequency
0 - 9	1
10 - 19	1
20 - 29	2
30 - 39	0
40 - 49	1
50 - 59	3
60 - 69	5
70 - 79	5
80 - 89	8
90 - 99	1
100	0



Q3: Which class is the more academic class? Explain.

Comparable Mean  
 Higher Median  
 More Students in 80%+ Range

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Grade 6 class more Academic.