STAAR Alternate
2013 Score Distributions and Statistics by Content Area and Grade

Glossary

This glossary provides definitions for the statistical terms that appear in the tables and graphs in this section ("STAAR Alternate 2013 Score Distributions and Statistics by Content Area and Grade") of Appendix D. Definition of statistical terms and concepts in the other sections are given in chapter 3 or chapter 6.

Descriptive Statistics

Mean. The mean is a measure of central tendency. It is the average score for the assessment. It is computed by summing the scores of all students and dividing it by the total number of students (N).

Median. The median is another measure of central tendency. It is the score at the middle of the frequency distribution for the assessment. It is computed by finding the score at which there is the same number of scores above as there is below.

Mode. The mode is another measure of central tendency. It is the most frequently obtained score for the assessment. It is determined by computing the frequency distribution and finding the score point with the highest frequency (n-count).

Range. The range is a measure of statistical dispersion (variability or spread). It is the difference between the lowest and highest scores obtained by students on the assessment. It is computed by subtracting the lowest score from the highest score.

Interquartile Range. The interquartile range is another measure of statistical dispersion (variability or spread). It is the difference between the 1st and 3rd quartiles (or 25th and 75th percentile) of the score distribution for the assessment. It is computed by subtracting the score at the 1st quartile (the point that splits the lowest 25% of the scores) from the score at the 3rd quartile (the point that splits the highest 25% of the scores).

Standard Deviation (SD). The standard deviation is another measure of statistical dispersion (variability or spread). It is an indicator of the degree of score variation around the mean. It is computed using the following formula.

$$SD = \sqrt{\frac{\sum_{i=1}^{N}(x_i - \bar{x})^2}{N-1}}$$

where x_i is the score for student i, $\bar{x}$ is the mean score and N is the total number of students that took the assessment.

Variance. The variance is another measure of statistical dispersion (variability or spread) around the mean. It is computed as the square of the standard deviation (SD).

Skewness. The skewness is an indicator of the shape of the score distribution. It measures the extent to which the score distribution "leans" to one side of the mean. A positive skewness indicates that the score distribution leans below the mean. A negative skewness indicates that the score distribution leans above the mean. A skewness of zero indicates that the score distribution is symmetric around the mean. It is computed using the following formula.

$$Skewness = \frac{N}{(N-1)(N-2)} \sum_{i=1}^{N} \left(\frac{x_i - \bar{x}}{s_x} \right)^3$$

where x_i is the score for student i, $\bar{x}$ is the mean score, s_x is the standard deviation (SD) and N is the total number of students that took the assessment.

Kurtosis. The kurtosis is another indicator of the shape of the score distribution. It measures the "peakedness" of the score distribution. A positive kurtosis is referred to as *leptokurtic*, meaning that the distribution has a more acute peak around the mean and fatter tails. A negative kurtosis is called *platykurtic*, meaning the distribution has a lower, wider peak around the mean and thinner tails. It is computed using the following formula.

$$Kurtosis = \frac{N(N+1)}{(N-1)(N-2)(N-3)} \sum_{i=1}^{N} \left(\frac{x_i - \bar{x}}{s_x} \right)^4 - \frac{3(N-1)^2}{(N-2)(N-3)}$$

where x_i is the score for student i, $\bar{x}$ is the mean score, s_x is the standard deviation (SD) and N is the total number of students that took the assessment.

Frequency Distributions

Frequency (FREQ). This is the number of students that obtained the particular score point on the assessment.

Cumulative Frequency (CUM FREQ). This is the number of students that obtained a score that is less than or equal to the particular score point on the assessment.

Percentage (PCT). This is the percentage of students that obtained the particular score point on the assessment. It is computed as: PCT = FREQ ÷ N × 100.

Cumulative Percentage (CUM PCT). This is the percentage of students that obtained a score that is less than or equal to the particular score point on the assessment. It is computed as: CUM PCT = CUM FREQ ÷ N × 100.

Raw Score Descriptive Statistics for 2013 STAAR Alternate 3–8 Assessments

Subject	N	Mean	Median	Mode	Range	Interquartile Range	SD	Variance	Skewness	Kurtosis
GRADE 3 READING	4286	64.30	71	77	84	29	14.85	220.57	-0.7678	-0.0347
GRADE 4 READING	4257	64.44	71	77	84	29	14.93	222.88	-0.7045	-0.3320
GRADE 5 READING	4062	63.84	70	77	84	29	15.15	229.60	-0.7304	0.0540
GRADE 6 READING	3940	65.11	73	77	84	29	14.90	221.95	-0.7701	-0.1191
GRADE 7 READING	3496	64.30	71	77	84	29	14.79	218.78	-0.7161	-0.1672
GRADE 8 READING	3438	64.32	71	77	84	29	15.06	226.73	-0.6955	-0.2445
GRADE 3 MATHEMATICS	4286	65.17	72	77	84	29	14.93	223.01	-0.8241	0.1085
GRADE 4 MATHEMATICS	4258	67.13	75	77	84	26	14.41	207.56	-0.8371	-0.3188
GRADE 5 MATHEMATICS	4062	66.30	74	77	84	27	14.61	213.51	-0.9402	0.3585
GRADE 6 MATHEMATICS	3940	66.12	74	77	84	29	14.65	214.64	-0.7623	-0.2727
GRADE 7 MATHEMATICS	3495	65.10	72	77	84	29	14.48	209.60	-0.6801	-0.4331
GRADE 8 MATHEMATICS	3439	65.58	74	77	84	29	15.16	229.75	-0.8189	0.0251
GRADE 5 SCIENCE	4062	66.05	74	77	84	29	14.58	212.71	-0.8247	-0.0439
GRADE 8 SCIENCE	3440	66.44	75	77	84	29	14.57	212.16	-0.8575	-0.1116
GRADE 8 SOCIAL STUDIES	3438	66.05	75	77	84	29	14.42	208.03	-0.8215	-0.0624
GRADE 4 WRITING	4257	65.29	73	77	84	29	14.69	215.91	-0.8007	-0.0555
GRADE 7 WRITING	3493	64.31	71	77	84	29	14.67	215.26	-0.7351	-0.0920

Raw Score Descriptive Statistics for 2013 STAAR Alternate EOC Assessments

Subject	N	Mean	Median	Mode	Range	Interquartile Range	SD	Variance	Skewness	Kurtosis
ENGLISH I	3142	64.14	72	77	84	29	15.53	241.17	-0.7899	0.1044
ENGLISH II	2967	63.91	72	77	84	29	15.62	243.91	-0.7897	0.0844
ENGLISH III	2732	63.53	71	77	84	29	15.71	246.86	-0.7542	0.1286
ALGEBRA I	3159	63.64	71	77	84	29	15.43	238.11	-0.6754	-0.1551
GEOMETRY	2986	65.49	74	77	84	29	14.97	224.20	-0.6620	-0.4899
BIOLOGY	3370	64.58	73	77	84	29	15.21	231.47	-0.7594	-0.1169
WORLD GEOGRAPHY	3036	64.14	73	77	84	29	15.52	240.84	-0.7950	0.0361
WORLD HISTORY	2557	63.68	71	77	84	29	15.63	244.29	-0.6288	-0.3305
U.S. HISTORY	2817	65.25	74	77	84	29	14.86	220.78	-0.7687	-0.2024

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GRADE 3 READING
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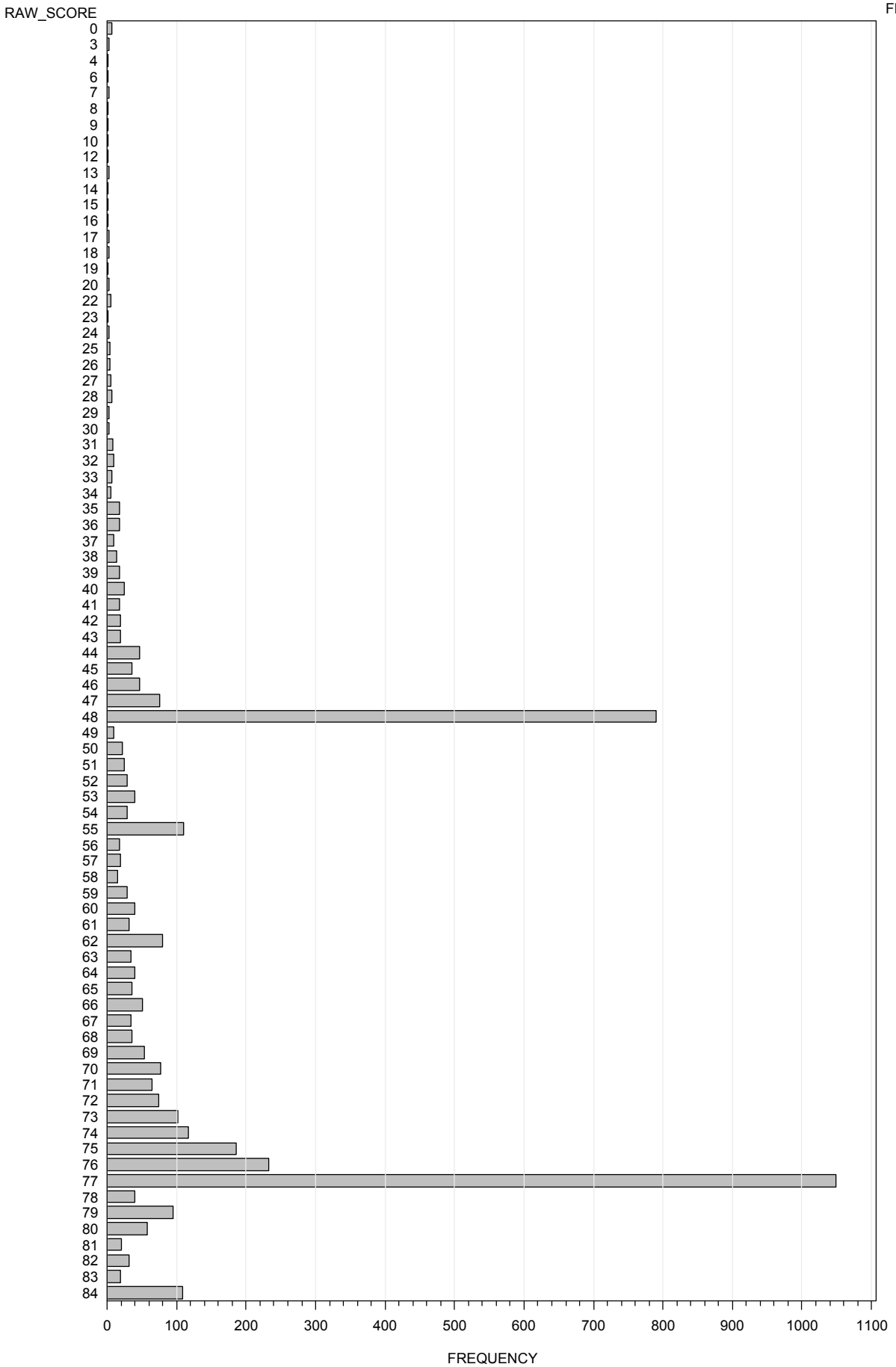

RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	7	7	0.16	0.16
3	2	9	0.05	0.21
4	1	10	0.02	0.23
6	1	11	0.02	0.26
7	2	13	0.05	0.30
8	1	14	0.02	0.33
9	1	15	0.02	0.35
10	1	16	0.02	0.37
12	1	17	0.02	0.40
13	2	19	0.05	0.44
14	1	20	0.02	0.47
15	1	21	0.02	0.49
16	1	22	0.02	0.51
17	2	24	0.05	0.56
18	2	26	0.05	0.61
19	1	27	0.02	0.63
20	3	30	0.07	0.70
22	5	35	0.12	0.82
23	1	36	0.02	0.84
24	3	39	0.07	0.91
25	4	43	0.09	1.00
26	4	47	0.09	1.10
27	5	52	0.12	1.21
28	6	58	0.14	1.35
29	2	60	0.05	1.40
30	3	63	0.07	1.47
31	8	71	0.19	1.66
32	9	80	0.21	1.87
33	6	86	0.14	2.01
34	5	91	0.12	2.12
35	17	108	0.40	2.52
36	17	125	0.40	2.92
37	9	134	0.21	3.13
38	14	148	0.33	3.45
39	18	166	0.42	3.87
40	24	190	0.56	4.43
41	18	208	0.42	4.85
42	19	227	0.44	5.30
43	19	246	0.44	5.74
44	47	293	1.10	6.84
45	35	328	0.82	7.65
46	47	375	1.10	8.75
47	76	451	1.77	10.52
48	790	1241	18.43	28.95
49	9	1250	0.21	29.16
50	22	1272	0.51	29.68
51	25	1297	0.58	30.26
52	29	1326	0.68	30.94
53	40	1366	0.93	31.87
54	29	1395	0.68	32.55
55	110	1505	2.57	35.11
56	17	1522	0.40	35.51
57	19	1541	0.44	35.95
58	15	1556	0.35	36.30
59	28	1584	0.65	36.96
60	39	1623	0.91	37.87
61	31	1654	0.72	38.59
62	79	1733	1.84	40.43
63	34	1767	0.79	41.23
64	39	1806	0.91	42.14
65	35	1841	0.82	42.95
66	50	1891	1.17	44.12
67	34	1925	0.79	44.91
68	36	1961	0.84	45.75
69	53	2014	1.24	46.99
70	77	2091	1.80	48.79
71	64	2155	1.49	50.28
72	74	2229	1.73	52.01
73	101	2330	2.36	54.36
74	117	2447	2.73	57.09
75	185	2632	4.32	61.41
76	232	2864	5.41	66.82
77	1049	3913	24.48	91.30
78	39	3952	0.91	92.21
79	95	4047	2.22	94.42
80	58	4105	1.35	95.78
81	21	4126	0.49	96.27
82	32	4158	0.75	97.01
83	19	4177	0.44	97.46
84	109	4286	2.54	100.00

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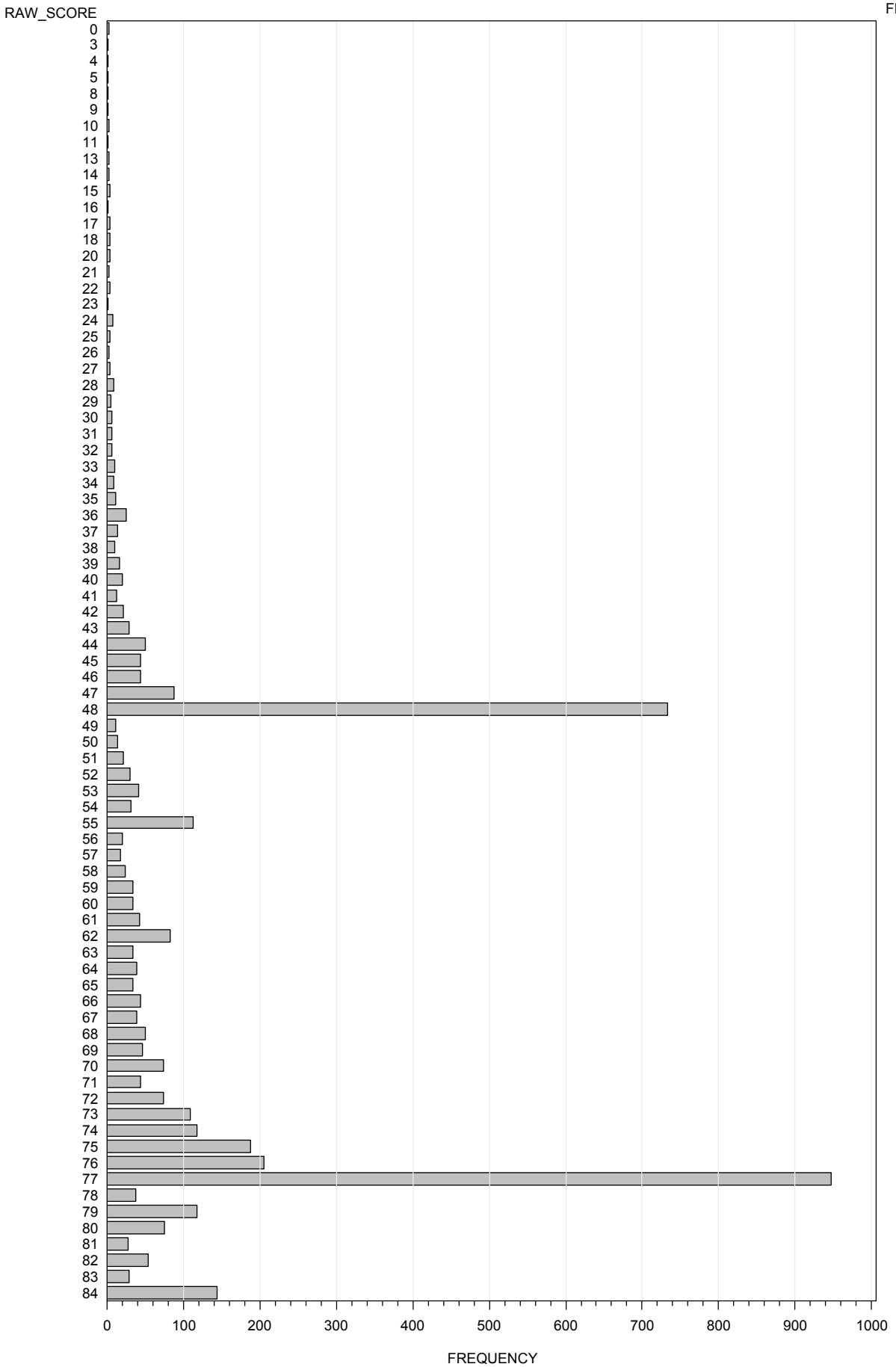

RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	2	2	0.05	0.05
3	1	3	0.02	0.07
4	1	4	0.02	0.09
5	1	5	0.02	0.12
8	1	6	0.02	0.14
9	1	7	0.02	0.16
10	2	9	0.05	0.21
11	1	10	0.02	0.23
13	2	12	0.05	0.28
14	2	14	0.05	0.33
15	3	17	0.07	0.40
16	1	18	0.02	0.42
17	3	21	0.07	0.49
18	4	25	0.09	0.59
20	3	28	0.07	0.66
21	2	30	0.05	0.70
22	3	33	0.07	0.78
23	1	34	0.02	0.80
24	7	41	0.16	0.96
25	3	44	0.07	1.03
26	2	46	0.05	1.08
27	4	50	0.09	1.17
28	9	59	0.21	1.39
29	5	64	0.12	1.50
30	6	70	0.14	1.64
31	6	76	0.14	1.79
32	6	82	0.14	1.93
33	10	92	0.23	2.16
34	8	100	0.19	2.35
35	11	111	0.26	2.61
36	25	136	0.59	3.19
37	14	150	0.33	3.52
38	10	160	0.23	3.76
39	16	176	0.38	4.13
40	20	196	0.47	4.60
41	12	208	0.28	4.89
42	21	229	0.49	5.38
43	28	257	0.66	6.04
44	50	307	1.17	7.21
45	44	351	1.03	8.25
46	44	395	1.03	9.28
47	88	483	2.07	11.35
48	733	1216	17.22	28.56
49	11	1227	0.26	28.82
50	14	1241	0.33	29.15
51	21	1262	0.49	29.65
52	30	1292	0.70	30.35
53	41	1333	0.96	31.31
54	31	1364	0.73	32.04
55	112	1476	2.63	34.67
56	20	1496	0.47	35.14
57	17	1513	0.40	35.54
58	24	1537	0.56	36.11
59	33	1570	0.78	36.88
60	34	1604	0.80	37.68
61	42	1646	0.99	38.67
62	83	1729	1.95	40.62
63	34	1763	0.80	41.41
64	39	1802	0.92	42.33
65	34	1836	0.80	43.13
66	44	1880	1.03	44.16
67	39	1919	0.92	45.08
68	50	1969	1.17	46.25
69	46	2015	1.08	47.33
70	74	2089	1.74	49.07
71	44	2133	1.03	50.11
72	74	2207	1.74	51.84
73	109	2316	2.56	54.40
74	118	2434	2.77	57.18
75	187	2621	4.39	61.57
76	205	2826	4.82	66.38
77	947	3773	22.25	88.63
78	37	3810	0.87	89.50
79	118	3928	2.77	92.27
80	75	4003	1.76	94.03
81	27	4030	0.63	94.67
82	54	4084	1.27	95.94
83	29	4113	0.68	96.62
84	144	4257	3.38	100.00

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GRADE 5 READING
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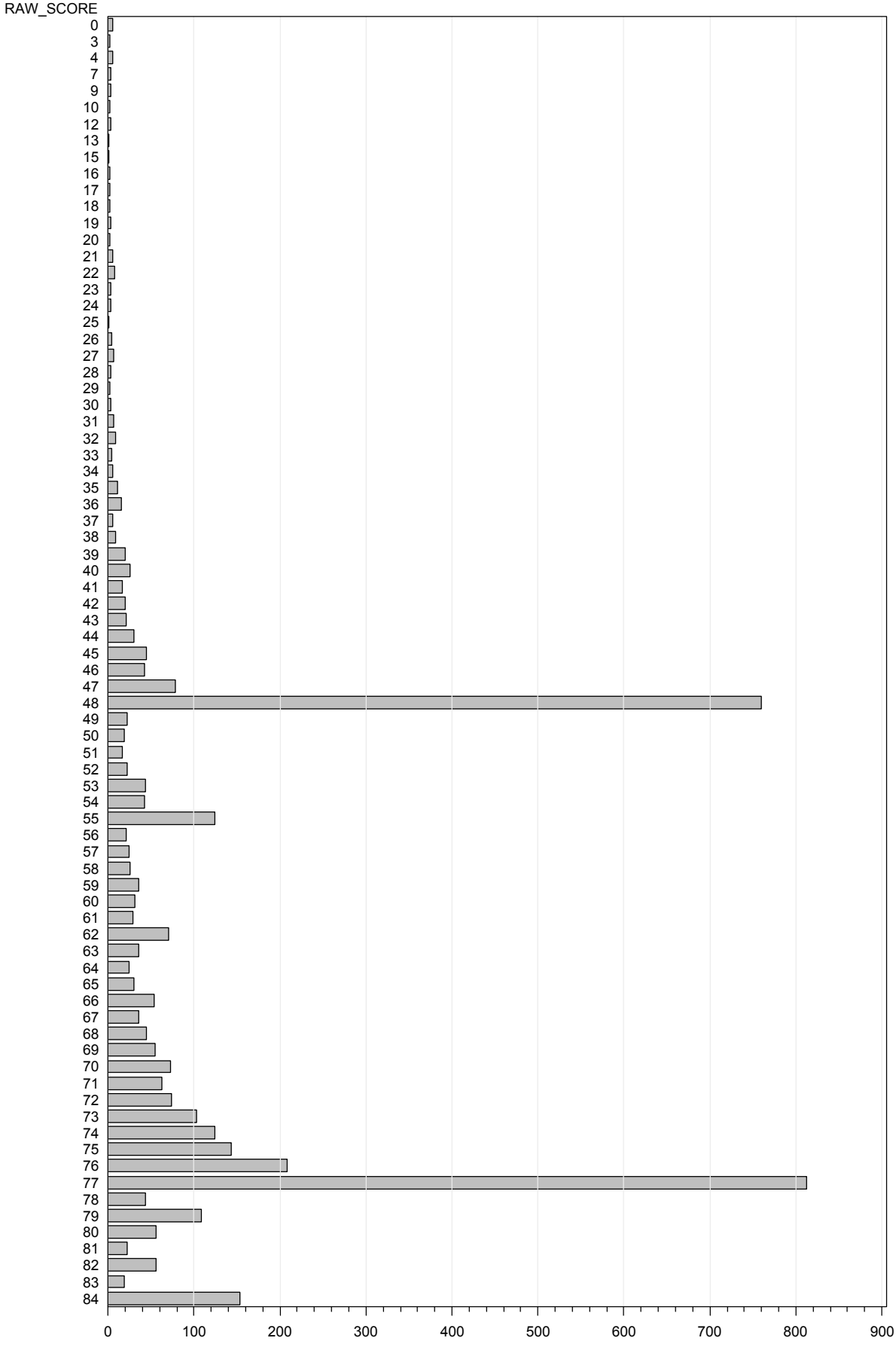

RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	5	5	0.12	0.12
3	2	7	0.05	0.17
4	5	12	0.12	0.30
7	3	15	0.07	0.37
9	3	18	0.07	0.44
10	2	20	0.05	0.49
12	3	23	0.07	0.57
13	1	24	0.02	0.59
15	1	25	0.02	0.62
16	2	27	0.05	0.66
17	2	29	0.05	0.71
18	2	31	0.05	0.76
19	3	34	0.07	0.84
20	2	36	0.05	0.89
21	5	41	0.12	1.01
22	8	49	0.20	1.21
23	3	52	0.07	1.28
24	3	55	0.07	1.35
25	1	56	0.02	1.38
26	4	60	0.10	1.48
27	6	66	0.15	1.62
28	3	69	0.07	1.70
29	2	71	0.05	1.75
30	3	74	0.07	1.82
31	6	80	0.15	1.97
32	9	89	0.22	2.19
33	4	93	0.10	2.29
34	5	98	0.12	2.41
35	11	109	0.27	2.68
36	15	124	0.37	3.05
37	5	129	0.12	3.18
38	9	138	0.22	3.40
39	20	158	0.49	3.89
40	26	184	0.64	4.53
41	17	201	0.42	4.95
42	20	221	0.49	5.44
43	21	242	0.52	5.96
44	30	272	0.74	6.70
45	45	317	1.11	7.80
46	42	359	1.03	8.84
47	78	437	1.92	10.76
48	760	1197	18.71	29.47
49	22	1219	0.54	30.01
50	19	1238	0.47	30.48
51	17	1255	0.42	30.90
52	22	1277	0.54	31.44
53	44	1321	1.08	32.52
54	42	1363	1.03	33.55
55	124	1487	3.05	36.61
56	21	1508	0.52	37.12
57	24	1532	0.59	37.72
58	26	1558	0.64	38.36
59	36	1594	0.89	39.24
60	31	1625	0.76	40.00
61	29	1654	0.71	40.72
62	70	1724	1.72	42.44
63	36	1760	0.89	43.33
64	24	1784	0.59	43.92
65	30	1814	0.74	44.66
66	54	1868	1.33	45.99
67	36	1904	0.89	46.87
68	45	1949	1.11	47.98
69	55	2004	1.35	49.34
70	73	2077	1.80	51.13
71	63	2140	1.55	52.68
72	74	2214	1.82	54.51
73	103	2317	2.54	57.04
74	124	2441	3.05	60.09
75	143	2584	3.52	63.61
76	208	2792	5.12	68.73
77	812	3604	19.99	88.72
78	43	3647	1.06	89.78
79	109	3756	2.68	92.47
80	56	3812	1.38	93.85
81	22	3834	0.54	94.39
82	56	3890	1.38	95.77
83	19	3909	0.47	96.23
84	153	4062	3.77	100.00

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GRADE 6 READING
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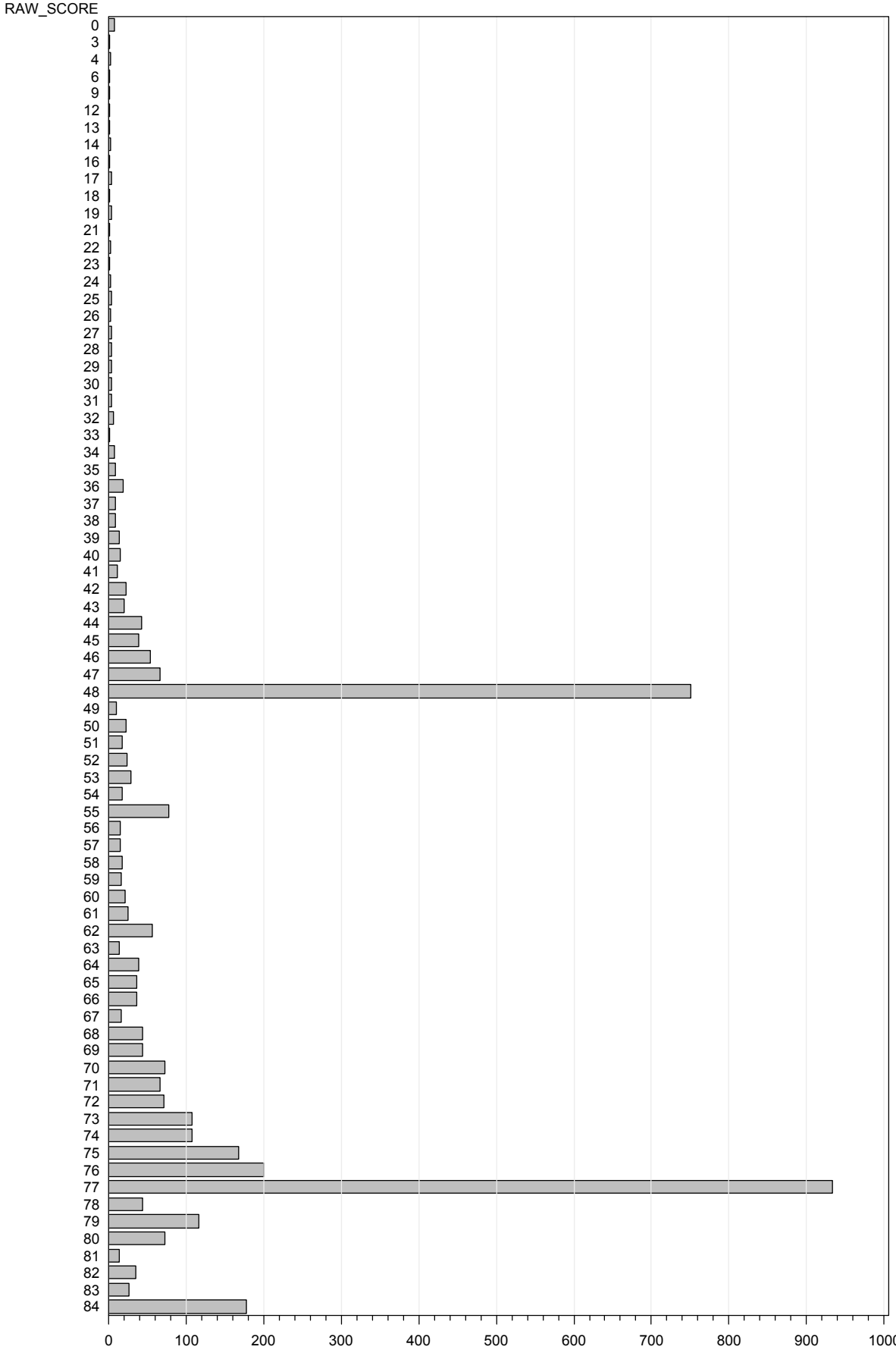

RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	7	7	0.18	0.18
3	1	8	0.03	0.20
4	2	10	0.05	0.25
6	1	11	0.03	0.28
9	1	12	0.03	0.30
12	1	13	0.03	0.33
13	1	14	0.03	0.36
14	2	16	0.05	0.41
16	1	17	0.03	0.43
17	3	20	0.08	0.51
18	1	21	0.03	0.53
19	3	24	0.08	0.61
21	1	25	0.03	0.63
22	2	27	0.05	0.69
23	1	28	0.03	0.71
24	2	30	0.05	0.76
25	3	33	0.08	0.84
26	2	35	0.05	0.89
27	4	39	0.10	0.99
28	4	43	0.10	1.09
29	4	47	0.10	1.19
30	4	51	0.10	1.29
31	3	54	0.08	1.37
32	6	60	0.15	1.52
33	1	61	0.03	1.55
34	7	68	0.18	1.73
35	9	77	0.23	1.95
36	19	96	0.48	2.44
37	8	104	0.20	2.64
38	9	113	0.23	2.87
39	14	127	0.36	3.22
40	15	142	0.38	3.60
41	11	153	0.28	3.88
42	22	175	0.56	4.44
43	20	195	0.51	4.95
44	42	237	1.07	6.02
45	38	275	0.96	6.98
46	54	329	1.37	8.35
47	66	395	1.68	10.03
48	751	1146	19.06	29.09
49	10	1156	0.25	29.34
50	22	1178	0.56	29.90
51	17	1195	0.43	30.33
52	23	1218	0.58	30.91
53	28	1246	0.71	31.62
54	17	1263	0.43	32.06
55	77	1340	1.95	34.01
56	15	1355	0.38	34.39
57	15	1370	0.38	34.77
58	17	1387	0.43	35.20
59	16	1403	0.41	35.61
60	21	1424	0.53	36.14
61	25	1449	0.63	36.78
62	56	1505	1.42	38.20
63	13	1518	0.33	38.53
64	39	1557	0.99	39.52
65	36	1593	0.91	40.43
66	36	1629	0.91	41.35
67	16	1645	0.41	41.75
68	43	1688	1.09	42.84
69	44	1732	1.12	43.96
70	72	1804	1.83	45.79
71	66	1870	1.68	47.46
72	71	1941	1.80	49.26
73	107	2048	2.72	51.98
74	108	2156	2.74	54.72
75	168	2324	4.26	58.98
76	200	2524	5.08	64.06
77	934	3458	23.71	87.77
78	43	3501	1.09	88.86
79	116	3617	2.94	91.80
80	72	3689	1.83	93.63
81	13	3702	0.33	93.96
82	35	3737	0.89	94.85
83	26	3763	0.66	95.51
84	177	3940	4.49	100.00

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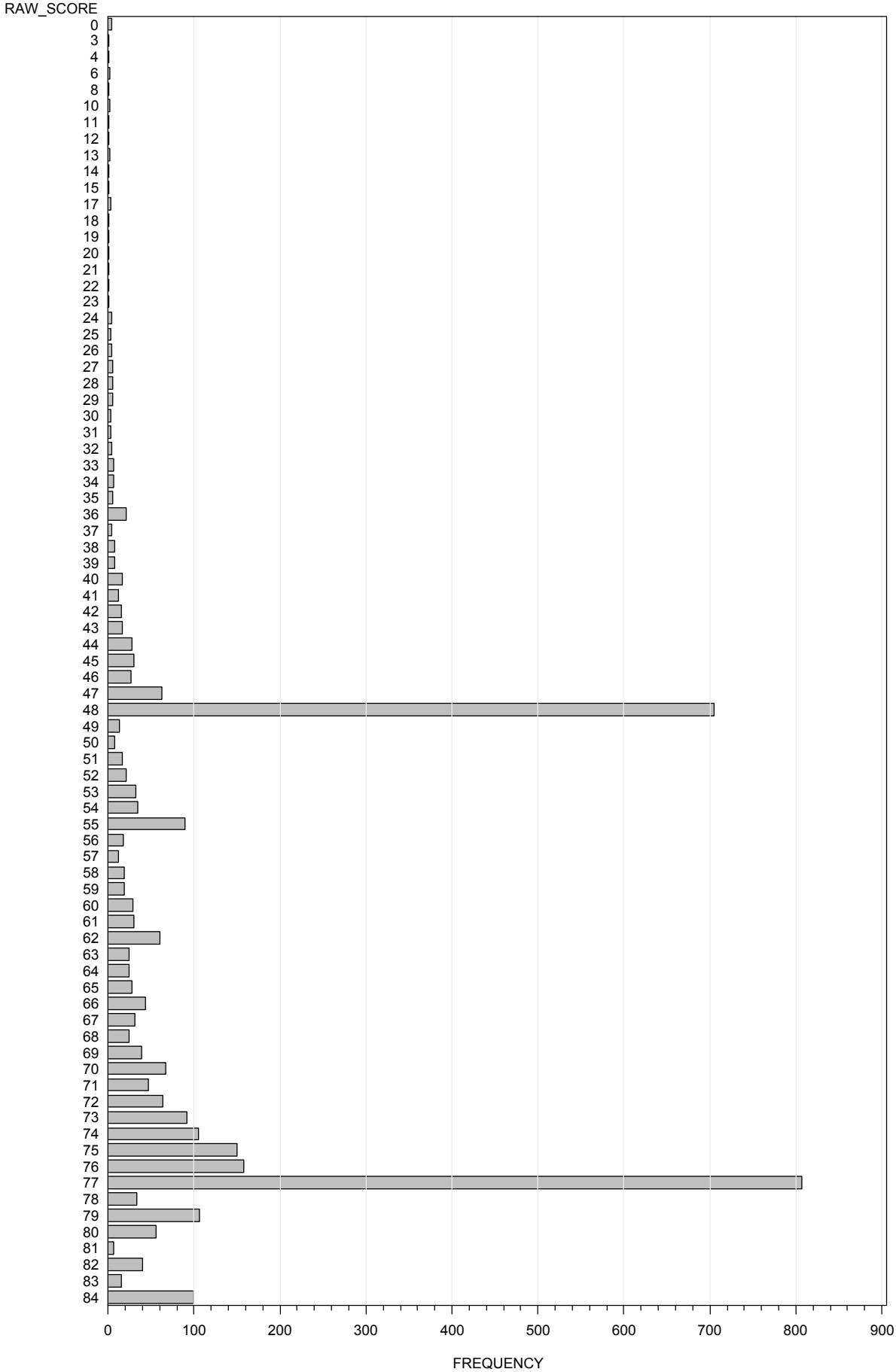
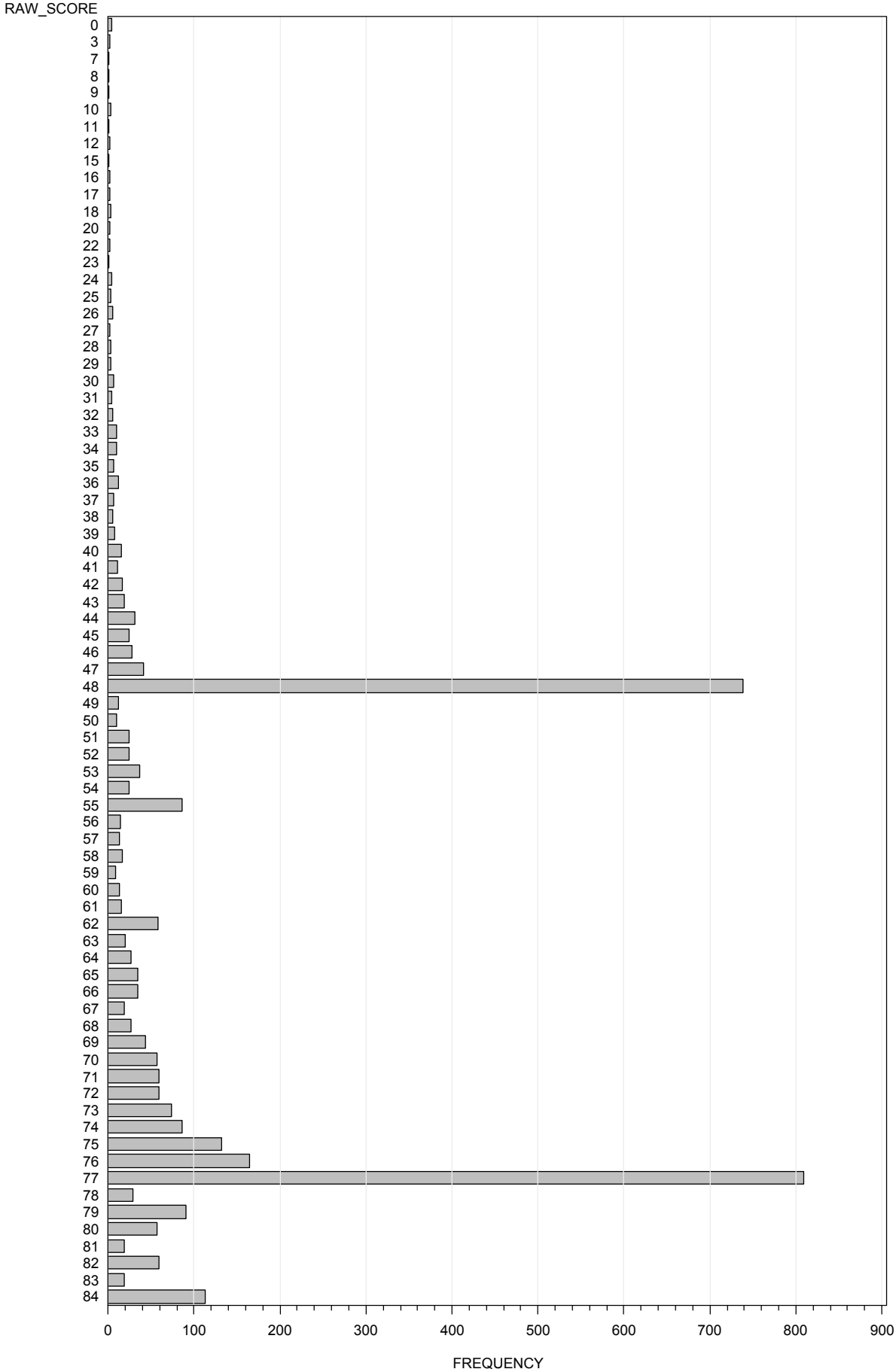
GRADE 7 READING
ALL STUDENTS



RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	4	4	0.11	0.11
3	1	5	0.03	0.14
4	1	6	0.03	0.17
6	2	8	0.06	0.23
8	1	9	0.03	0.26
10	2	11	0.06	0.31
11	1	12	0.03	0.34
12	1	13	0.03	0.37
13	2	15	0.06	0.43
14	1	16	0.03	0.46
15	1	17	0.03	0.49
17	3	20	0.09	0.57
18	1	21	0.03	0.60
19	1	22	0.03	0.63
20	1	23	0.03	0.66
21	1	24	0.03	0.69
22	1	25	0.03	0.72
23	1	26	0.03	0.74
24	4	30	0.11	0.86
25	3	33	0.09	0.94
26	4	37	0.11	1.06
27	5	42	0.14	1.20
28	5	47	0.14	1.34
29	5	52	0.14	1.49
30	3	55	0.09	1.57
31	3	58	0.09	1.66
32	4	62	0.11	1.77
33	6	68	0.17	1.95
34	6	74	0.17	2.12
35	5	79	0.14	2.26
36	21	100	0.60	2.86
37	4	104	0.11	2.97
38	8	112	0.23	3.20
39	8	120	0.23	3.43
40	17	137	0.49	3.92
41	12	149	0.34	4.26
42	15	164	0.43	4.69
43	17	181	0.49	5.18
44	28	209	0.80	5.98
45	30	239	0.86	6.84
46	27	266	0.77	7.61
47	63	329	1.80	9.41
48	705	1034	20.17	29.58
49	13	1047	0.37	29.95
50	8	1055	0.23	30.18
51	17	1072	0.49	30.66
52	21	1093	0.60	31.26
53	32	1125	0.92	32.18
54	34	1159	0.97	33.15
55	89	1248	2.55	35.70
56	18	1266	0.51	36.21
57	12	1278	0.34	36.56
58	19	1297	0.54	37.10
59	19	1316	0.54	37.64
60	29	1345	0.83	38.47
61	30	1375	0.86	39.33
62	60	1435	1.72	41.05
63	24	1459	0.69	41.73
64	24	1483	0.69	42.42
65	28	1511	0.80	43.22
66	44	1555	1.26	44.48
67	31	1586	0.89	45.37
68	25	1611	0.72	46.08
69	39	1650	1.12	47.20
70	67	1717	1.92	49.11
71	47	1764	1.34	50.46
72	64	1828	1.83	52.29
73	92	1920	2.63	54.92
74	105	2025	3.00	57.92
75	150	2175	4.29	62.21
76	158	2333	4.52	66.73
77	807	3140	23.08	89.82
78	33	3173	0.94	90.76
79	106	3279	3.03	93.79
80	56	3335	1.60	95.39
81	6	3341	0.17	95.57
82	40	3381	1.14	96.71
83	16	3397	0.46	97.17
84	99	3496	2.83	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

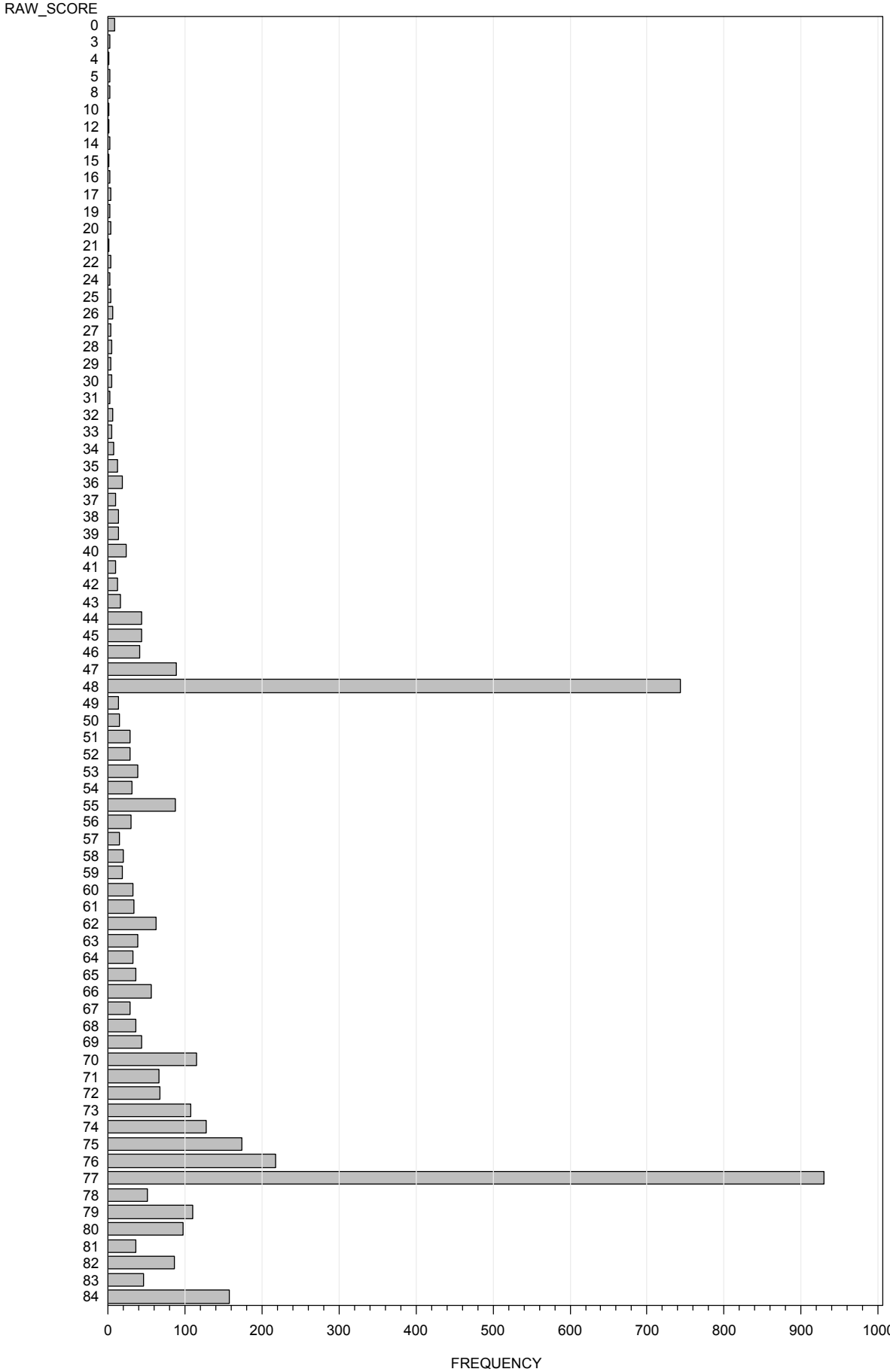
STAAR ALTERNATE SPRING 2013
GRADE 8 READING
ALL STUDENTS



RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	4	4	0.12	0.12
3	2	6	0.06	0.17
7	1	7	0.03	0.20
8	1	8	0.03	0.23
9	1	9	0.03	0.26
10	3	12	0.09	0.35
11	1	13	0.03	0.38
12	2	15	0.06	0.44
15	1	16	0.03	0.47
16	2	18	0.06	0.52
17	2	20	0.06	0.58
18	3	23	0.09	0.67
20	2	25	0.06	0.73
22	2	27	0.06	0.79
23	1	28	0.03	0.81
24	4	32	0.12	0.93
25	3	35	0.09	1.02
26	5	40	0.15	1.16
27	2	42	0.06	1.22
28	3	45	0.09	1.31
29	3	48	0.09	1.40
30	6	54	0.17	1.57
31	4	58	0.12	1.69
32	5	63	0.15	1.83
33	10	73	0.29	2.12
34	10	83	0.29	2.41
35	7	90	0.20	2.62
36	12	102	0.35	2.97
37	7	109	0.20	3.17
38	5	114	0.15	3.32
39	8	122	0.23	3.55
40	15	137	0.44	3.98
41	11	148	0.32	4.30
42	17	165	0.49	4.80
43	19	184	0.55	5.35
44	31	215	0.90	6.25
45	24	239	0.70	6.95
46	28	267	0.81	7.77
47	41	308	1.19	8.96
48	739	1047	21.50	30.45
49	12	1059	0.35	30.80
50	10	1069	0.29	31.09
51	24	1093	0.70	31.79
52	24	1117	0.70	32.49
53	37	1154	1.08	33.57
54	24	1178	0.70	34.26
55	86	1264	2.50	36.77
56	14	1278	0.41	37.17
57	13	1291	0.38	37.55
58	17	1308	0.49	38.05
59	9	1317	0.26	38.31
60	13	1330	0.38	38.69
61	15	1345	0.44	39.12
62	58	1403	1.69	40.81
63	20	1423	0.58	41.39
64	27	1450	0.79	42.18
65	35	1485	1.02	43.19
66	35	1520	1.02	44.21
67	19	1539	0.55	44.76
68	27	1566	0.79	45.55
69	44	1610	1.28	46.83
70	57	1667	1.66	48.49
71	59	1726	1.72	50.20
72	59	1785	1.72	51.92
73	74	1859	2.15	54.07
74	86	1945	2.50	56.57
75	132	2077	3.84	60.41
76	165	2242	4.80	65.21
77	809	3051	23.53	88.74
78	29	3080	0.84	89.59
79	91	3171	2.65	92.23
80	57	3228	1.66	93.89
81	19	3247	0.55	94.44
82	59	3306	1.72	96.16
83	19	3325	0.55	96.71
84	113	3438	3.29	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

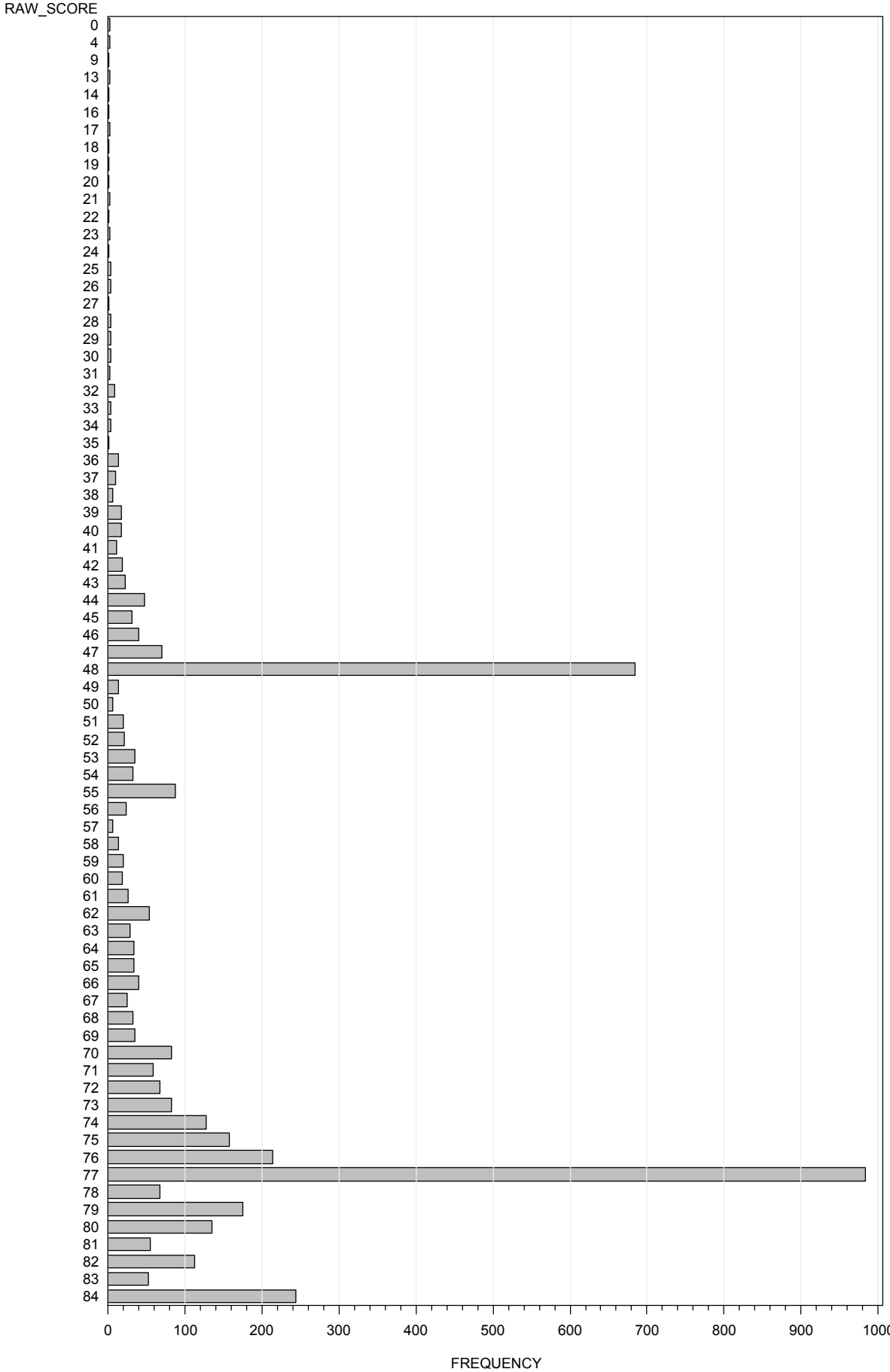
STAAR ALTERNATE SPRING 2013
GRADE 3 MATHEMATICS
ALL STUDENTS



RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	8	8	0.19	0.19
3	2	10	0.05	0.23
4	1	11	0.02	0.26
5	2	13	0.05	0.30
8	2	15	0.05	0.35
10	1	16	0.02	0.37
12	1	17	0.02	0.40
14	2	19	0.05	0.44
15	1	20	0.02	0.47
16	2	22	0.05	0.51
17	4	26	0.09	0.61
19	2	28	0.05	0.65
20	4	32	0.09	0.75
21	1	33	0.02	0.77
22	3	36	0.07	0.84
24	2	38	0.05	0.89
25	3	41	0.07	0.96
26	6	47	0.14	1.10
27	4	51	0.09	1.19
28	5	56	0.12	1.31
29	4	60	0.09	1.40
30	5	65	0.12	1.52
31	2	67	0.05	1.56
32	6	73	0.14	1.70
33	5	78	0.12	1.82
34	7	85	0.16	1.98
35	12	97	0.28	2.26
36	18	115	0.42	2.68
37	10	125	0.23	2.92
38	13	138	0.30	3.22
39	14	152	0.33	3.55
40	23	175	0.54	4.08
41	10	185	0.23	4.32
42	12	197	0.28	4.60
43	16	213	0.37	4.97
44	44	257	1.03	6.00
45	44	301	1.03	7.02
46	41	342	0.96	7.98
47	89	431	2.08	10.06
48	743	1174	17.34	27.39
49	13	1187	0.30	27.69
50	15	1202	0.35	28.04
51	29	1231	0.68	28.72
52	29	1260	0.68	29.40
53	39	1299	0.91	30.31
54	31	1330	0.72	31.03
55	87	1417	2.03	33.06
56	30	1447	0.70	33.76
57	15	1462	0.35	34.11
58	20	1482	0.47	34.58
59	18	1500	0.42	35.00
60	32	1532	0.75	35.74
61	33	1565	0.77	36.51
62	62	1627	1.45	37.96
63	38	1665	0.89	38.85
64	32	1697	0.75	39.59
65	36	1733	0.84	40.43
66	56	1789	1.31	41.74
67	29	1818	0.68	42.42
68	36	1854	0.84	43.26
69	43	1897	1.00	44.26
70	115	2012	2.68	46.94
71	66	2078	1.54	48.48
72	67	2145	1.56	50.05
73	107	2252	2.50	52.54
74	127	2379	2.96	55.51
75	174	2553	4.06	59.57
76	218	2771	5.09	64.65
77	930	3701	21.70	86.35
78	51	3752	1.19	87.54
79	110	3862	2.57	90.11
80	98	3960	2.29	92.39
81	36	3996	0.84	93.23
82	86	4082	2.01	95.24
83	46	4128	1.07	96.31
84	158	4286	3.69	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

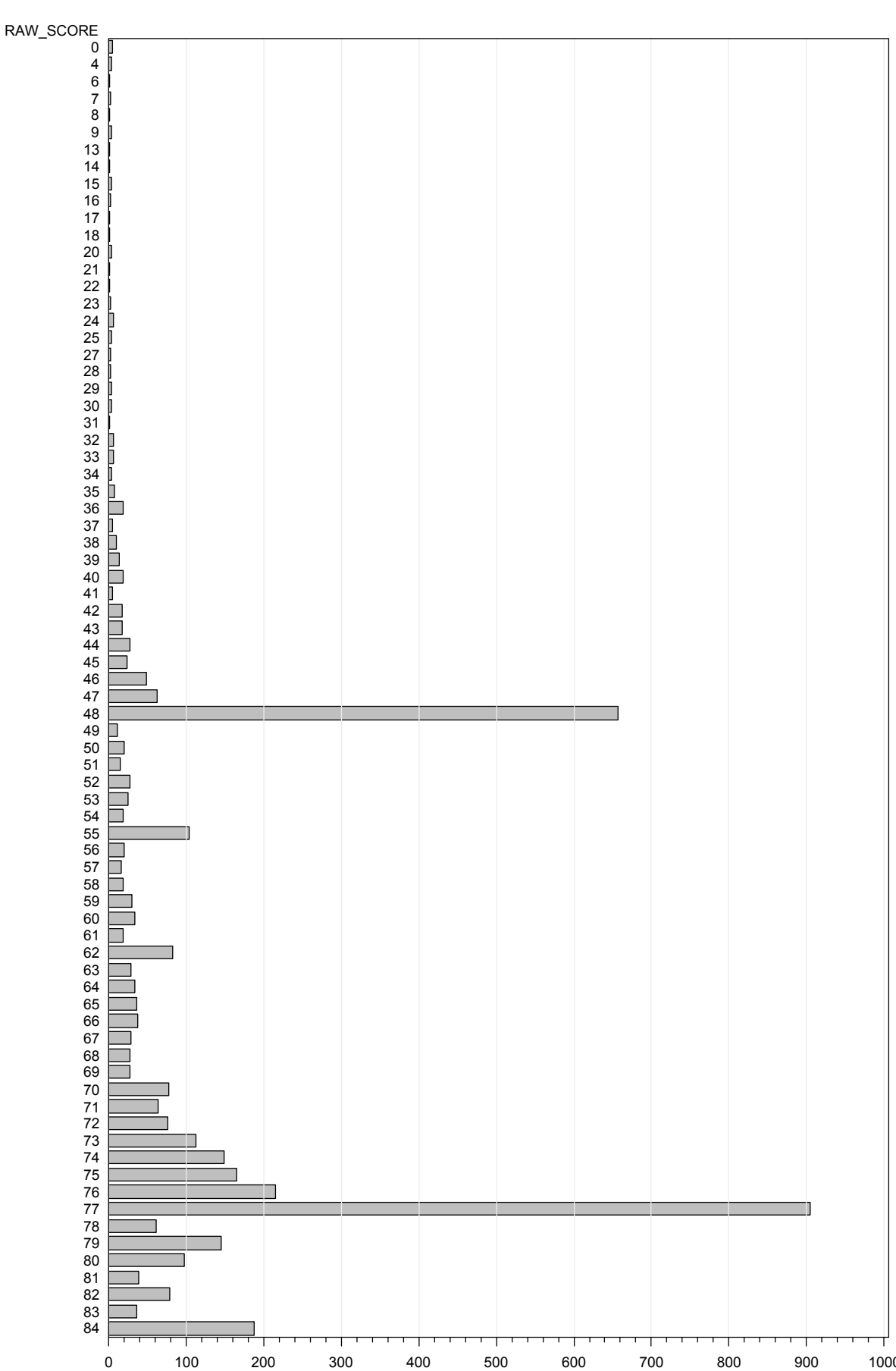
STAAR ALTERNATE SPRING 2013
GRADE 4 MATHEMATICS
ALL STUDENTS



RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	2	2	0.05	0.05
4	2	4	0.05	0.09
9	1	5	0.02	0.12
13	2	7	0.05	0.16
14	1	8	0.02	0.19
16	1	9	0.02	0.21
17	2	11	0.05	0.26
18	1	12	0.02	0.28
19	1	13	0.02	0.31
20	1	14	0.02	0.33
21	2	16	0.05	0.38
22	1	17	0.02	0.40
23	2	19	0.05	0.45
24	1	20	0.02	0.47
25	3	23	0.07	0.54
26	3	26	0.07	0.61
27	1	27	0.02	0.63
28	3	30	0.07	0.70
29	4	34	0.09	0.80
30	3	37	0.07	0.87
31	2	39	0.05	0.92
32	8	47	0.19	1.10
33	3	50	0.07	1.17
34	3	53	0.07	1.24
35	1	54	0.02	1.27
36	13	67	0.31	1.57
37	10	77	0.23	1.81
38	6	83	0.14	1.95
39	17	100	0.40	2.35
40	17	117	0.40	2.75
41	11	128	0.26	3.01
42	18	146	0.42	3.43
43	22	168	0.52	3.95
44	47	215	1.10	5.05
45	31	246	0.73	5.78
46	40	286	0.94	6.72
47	70	356	1.64	8.36
48	685	1041	16.09	24.45
49	13	1054	0.31	24.75
50	6	1060	0.14	24.89
51	20	1080	0.47	25.36
52	21	1101	0.49	25.86
53	35	1136	0.82	26.68
54	32	1168	0.75	27.43
55	88	1256	2.07	29.50
56	23	1279	0.54	30.04
57	6	1285	0.14	30.18
58	14	1299	0.33	30.51
59	20	1319	0.47	30.98
60	18	1337	0.42	31.40
61	26	1363	0.61	32.01
62	54	1417	1.27	33.28
63	28	1445	0.66	33.94
64	33	1478	0.78	34.71
65	34	1512	0.80	35.51
66	40	1552	0.94	36.45
67	25	1577	0.59	37.04
68	32	1609	0.75	37.79
69	35	1644	0.82	38.61
70	83	1727	1.95	40.56
71	58	1785	1.36	41.92
72	67	1852	1.57	43.49
73	82	1934	1.93	45.42
74	127	2061	2.98	48.40
75	158	2219	3.71	52.11
76	214	2433	5.03	57.14
77	984	3417	23.11	80.25
78	67	3484	1.57	81.82
79	175	3659	4.11	85.93
80	135	3794	3.17	89.10
81	55	3849	1.29	90.39
82	113	3962	2.65	93.05
83	52	4014	1.22	94.27
84	244	4258	5.73	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

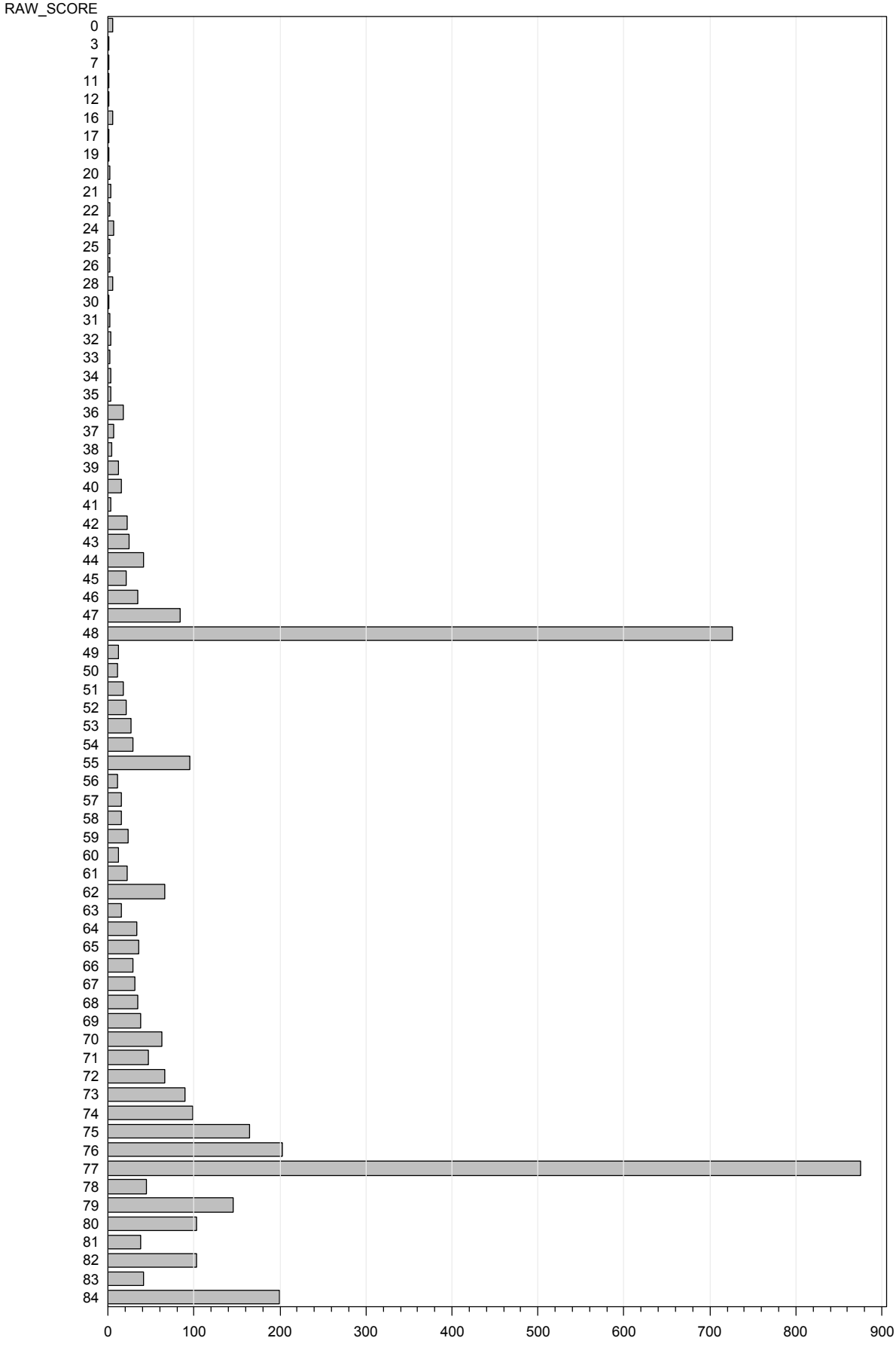
STAAR ALTERNATE SPRING 2013
GRADE 5 MATHEMATICS
ALL STUDENTS



RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	5	5	0.12	0.12
4	4	9	0.10	0.22
6	1	10	0.02	0.25
7	2	12	0.05	0.30
8	1	13	0.02	0.32
9	3	16	0.07	0.39
13	1	17	0.02	0.42
14	1	18	0.02	0.44
15	3	21	0.07	0.52
16	2	23	0.05	0.57
17	1	24	0.02	0.59
18	1	25	0.02	0.62
20	3	28	0.07	0.69
21	1	29	0.02	0.71
22	1	30	0.02	0.74
23	2	32	0.05	0.79
24	6	38	0.15	0.94
25	3	41	0.07	1.01
27	2	43	0.05	1.06
28	2	45	0.05	1.11
29	3	48	0.07	1.18
30	3	51	0.07	1.26
31	1	52	0.02	1.28
32	6	58	0.15	1.43
33	6	64	0.15	1.58
34	4	68	0.10	1.67
35	7	75	0.17	1.85
36	19	94	0.47	2.31
37	5	99	0.12	2.44
38	10	109	0.25	2.68
39	13	122	0.32	3.00
40	18	140	0.44	3.45
41	5	145	0.12	3.57
42	17	162	0.42	3.99
43	17	179	0.42	4.41
44	27	206	0.66	5.07
45	24	230	0.59	5.66
46	48	278	1.18	6.84
47	62	340	1.53	8.37
48	657	997	16.17	24.54
49	11	1008	0.27	24.82
50	20	1028	0.49	25.31
51	15	1043	0.37	25.68
52	27	1070	0.66	26.34
53	25	1095	0.62	26.96
54	18	1113	0.44	27.40
55	104	1217	2.56	29.96
56	20	1237	0.49	30.45
57	16	1253	0.39	30.85
58	19	1272	0.47	31.31
59	30	1302	0.74	32.05
60	34	1336	0.84	32.89
61	19	1355	0.47	33.36
62	82	1437	2.02	35.38
63	28	1465	0.69	36.07
64	33	1498	0.81	36.88
65	36	1534	0.89	37.76
66	37	1571	0.91	38.68
67	29	1600	0.71	39.39
68	27	1627	0.66	40.05
69	27	1654	0.66	40.72
70	77	1731	1.90	42.61
71	64	1795	1.58	44.19
72	76	1871	1.87	46.06
73	112	1983	2.76	48.82
74	149	2132	3.67	52.49
75	165	2297	4.06	56.55
76	215	2512	5.29	61.84
77	905	3417	22.28	84.12
78	61	3478	1.50	85.62
79	145	3623	3.57	89.19
80	98	3721	2.41	91.61
81	38	3759	0.94	92.54
82	79	3838	1.94	94.49
83	36	3874	0.89	95.37
84	188	4062	4.63	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

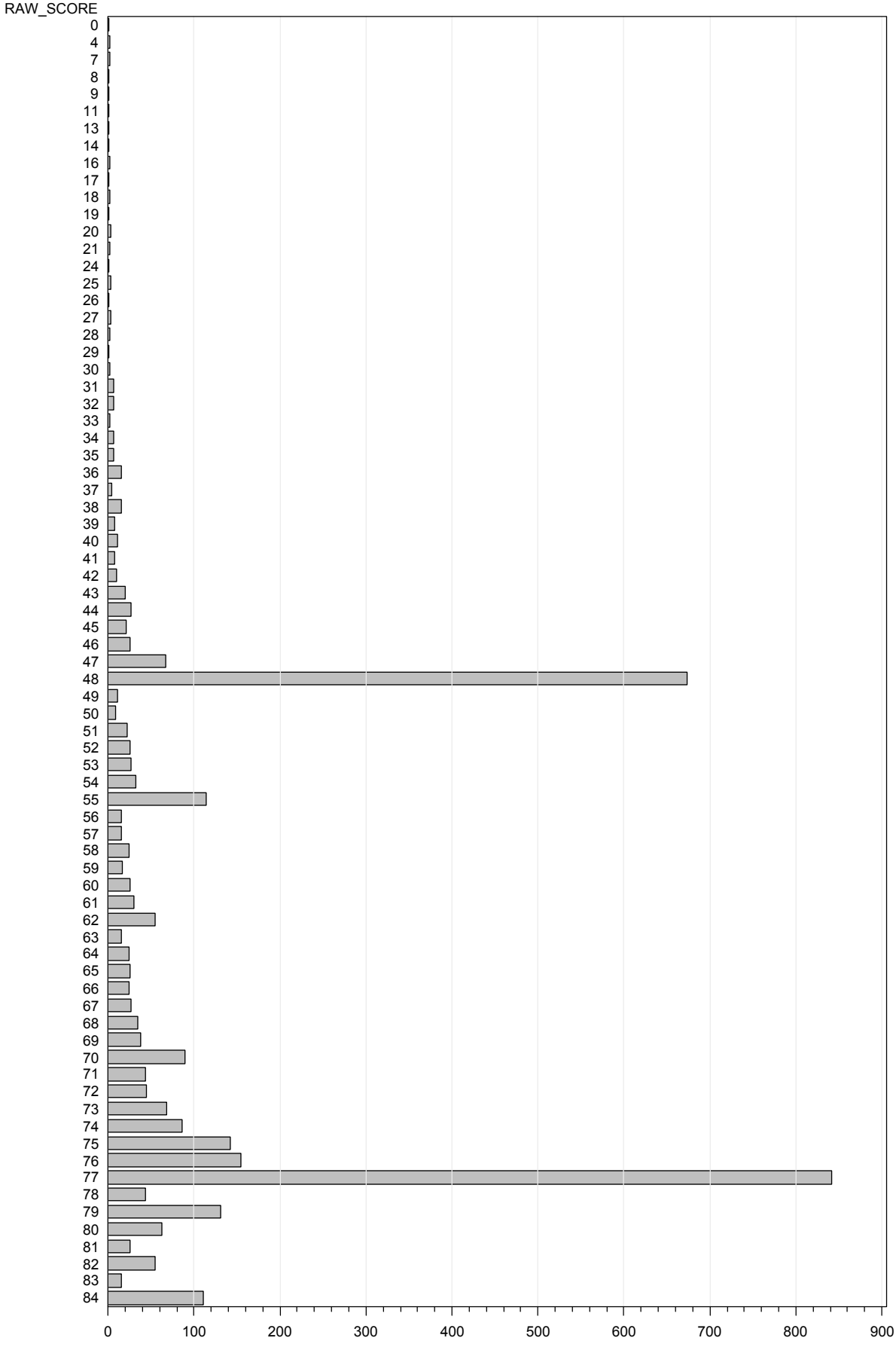
STAAR ALTERNATE SPRING 2013
GRADE 6 MATHEMATICS
ALL STUDENTS



RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	5	5	0.13	0.13
3	1	6	0.03	0.15
7	1	7	0.03	0.18
11	1	8	0.03	0.20
12	1	9	0.03	0.23
16	5	14	0.13	0.36
17	1	15	0.03	0.38
19	1	16	0.03	0.41
20	2	18	0.05	0.46
21	3	21	0.08	0.53
22	2	23	0.05	0.58
24	6	29	0.15	0.74
25	2	31	0.05	0.79
26	2	33	0.05	0.84
28	5	38	0.13	0.96
30	1	39	0.03	0.99
31	2	41	0.05	1.04
32	3	44	0.08	1.12
33	2	46	0.05	1.17
34	3	49	0.08	1.24
35	3	52	0.08	1.32
36	18	70	0.46	1.78
37	6	76	0.15	1.93
38	4	80	0.10	2.03
39	12	92	0.30	2.34
40	16	108	0.41	2.74
41	3	111	0.08	2.82
42	22	133	0.56	3.38
43	25	158	0.63	4.01
44	41	199	1.04	5.05
45	21	220	0.53	5.58
46	34	254	0.86	6.45
47	84	338	2.13	8.58
48	726	1064	18.43	27.01
49	12	1076	0.30	27.31
50	11	1087	0.28	27.59
51	18	1105	0.46	28.05
52	21	1126	0.53	28.58
53	27	1153	0.69	29.26
54	29	1182	0.74	30.00
55	95	1277	2.41	32.41
56	11	1288	0.28	32.69
57	15	1303	0.38	33.07
58	16	1319	0.41	33.48
59	23	1342	0.58	34.06
60	12	1354	0.30	34.37
61	22	1376	0.56	34.92
62	66	1442	1.68	36.60
63	15	1457	0.38	36.98
64	33	1490	0.84	37.82
65	36	1526	0.91	38.73
66	29	1555	0.74	39.47
67	31	1586	0.79	40.25
68	34	1620	0.86	41.12
69	38	1658	0.96	42.08
70	63	1721	1.60	43.68
71	47	1768	1.19	44.87
72	66	1834	1.68	46.55
73	90	1924	2.28	48.83
74	98	2022	2.49	51.32
75	165	2187	4.19	55.51
76	203	2390	5.15	60.66
77	875	3265	22.21	82.87
78	45	3310	1.14	84.01
79	146	3456	3.71	87.72
80	103	3559	2.61	90.33
81	38	3597	0.96	91.29
82	103	3700	2.61	93.91
83	41	3741	1.04	94.95
84	199	3940	5.05	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

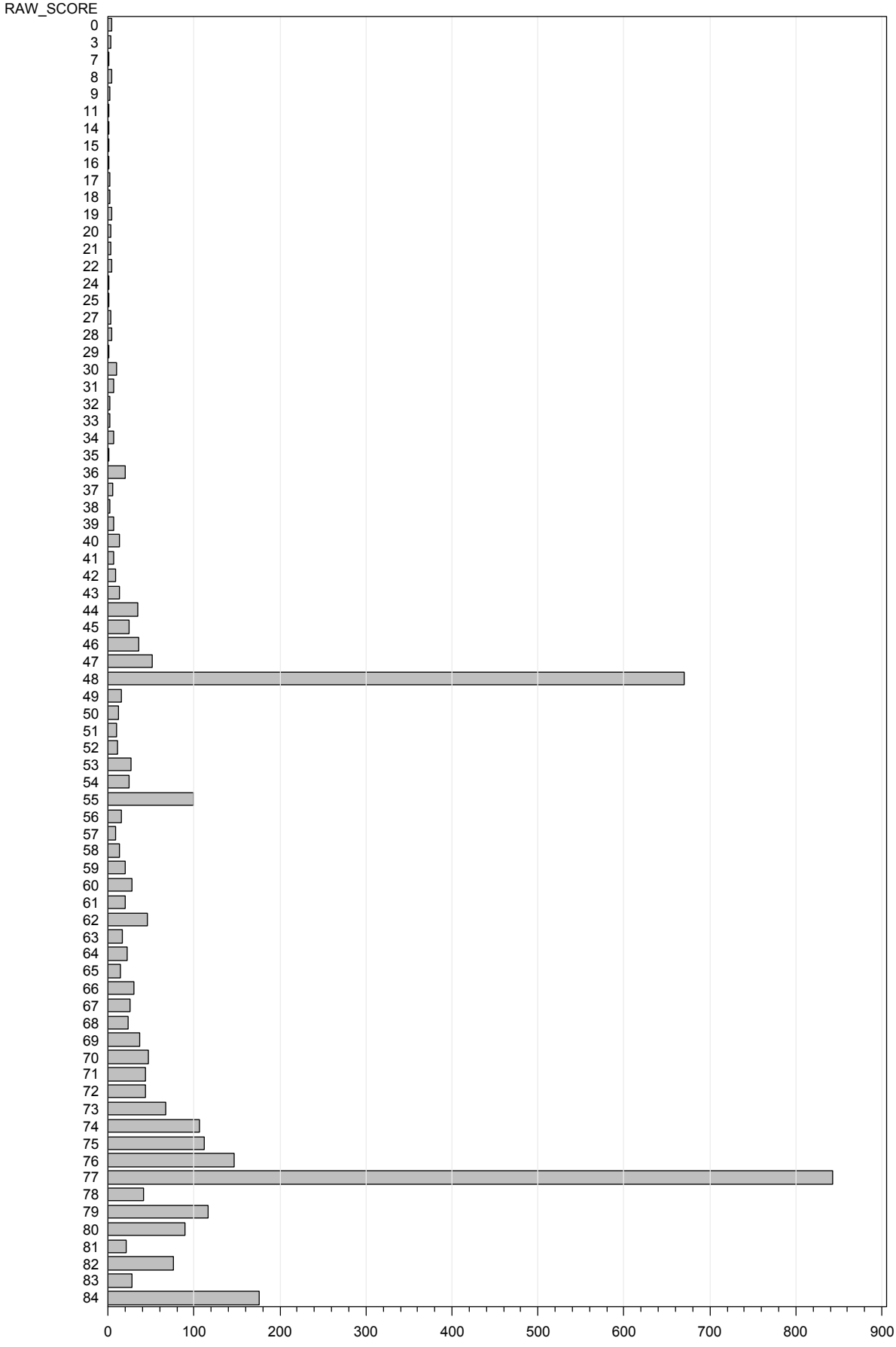
STAAR ALTERNATE SPRING 2013
GRADE 7 MATHEMATICS
ALL STUDENTS



RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	1	1	0.03	0.03
4	2	3	0.06	0.09
7	2	5	0.06	0.14
8	1	6	0.03	0.17
9	1	7	0.03	0.20
11	1	8	0.03	0.23
13	1	9	0.03	0.26
14	1	10	0.03	0.29
16	2	12	0.06	0.34
17	1	13	0.03	0.37
18	2	15	0.06	0.43
19	1	16	0.03	0.46
20	3	19	0.09	0.54
21	2	21	0.06	0.60
24	1	22	0.03	0.63
25	3	25	0.09	0.72
26	1	26	0.03	0.74
27	3	29	0.09	0.83
28	2	31	0.06	0.89
29	1	32	0.03	0.92
30	2	34	0.06	0.97
31	6	40	0.17	1.14
32	6	46	0.17	1.32
33	2	48	0.06	1.37
34	6	54	0.17	1.55
35	6	60	0.17	1.72
36	15	75	0.43	2.15
37	4	79	0.11	2.26
38	15	94	0.43	2.69
39	8	102	0.23	2.92
40	11	113	0.31	3.23
41	8	121	0.23	3.46
42	10	131	0.29	3.75
43	20	151	0.57	4.32
44	27	178	0.77	5.09
45	21	199	0.60	5.69
46	26	225	0.74	6.44
47	67	292	1.92	8.35
48	673	965	19.26	27.61
49	11	976	0.31	27.93
50	9	985	0.26	28.18
51	22	1007	0.63	28.81
52	26	1033	0.74	29.56
53	27	1060	0.77	30.33
54	32	1092	0.92	31.24
55	114	1206	3.26	34.51
56	16	1222	0.46	34.96
57	16	1238	0.46	35.42
58	24	1262	0.69	36.11
59	17	1279	0.49	36.60
60	26	1305	0.74	37.34
61	30	1335	0.86	38.20
62	55	1390	1.57	39.77
63	15	1405	0.43	40.20
64	25	1430	0.72	40.92
65	26	1456	0.74	41.66
66	24	1480	0.69	42.35
67	27	1507	0.77	43.12
68	35	1542	1.00	44.12
69	38	1580	1.09	45.21
70	90	1670	2.58	47.78
71	43	1713	1.23	49.01
72	45	1758	1.29	50.30
73	68	1826	1.95	52.25
74	86	1912	2.46	54.71
75	142	2054	4.06	58.77
76	154	2208	4.41	63.18
77	842	3050	24.09	87.27
78	44	3094	1.26	88.53
79	131	3225	3.75	92.27
80	62	3287	1.77	94.05
81	26	3313	0.74	94.79
82	55	3368	1.57	96.37
83	16	3384	0.46	96.82
84	111	3495	3.18	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

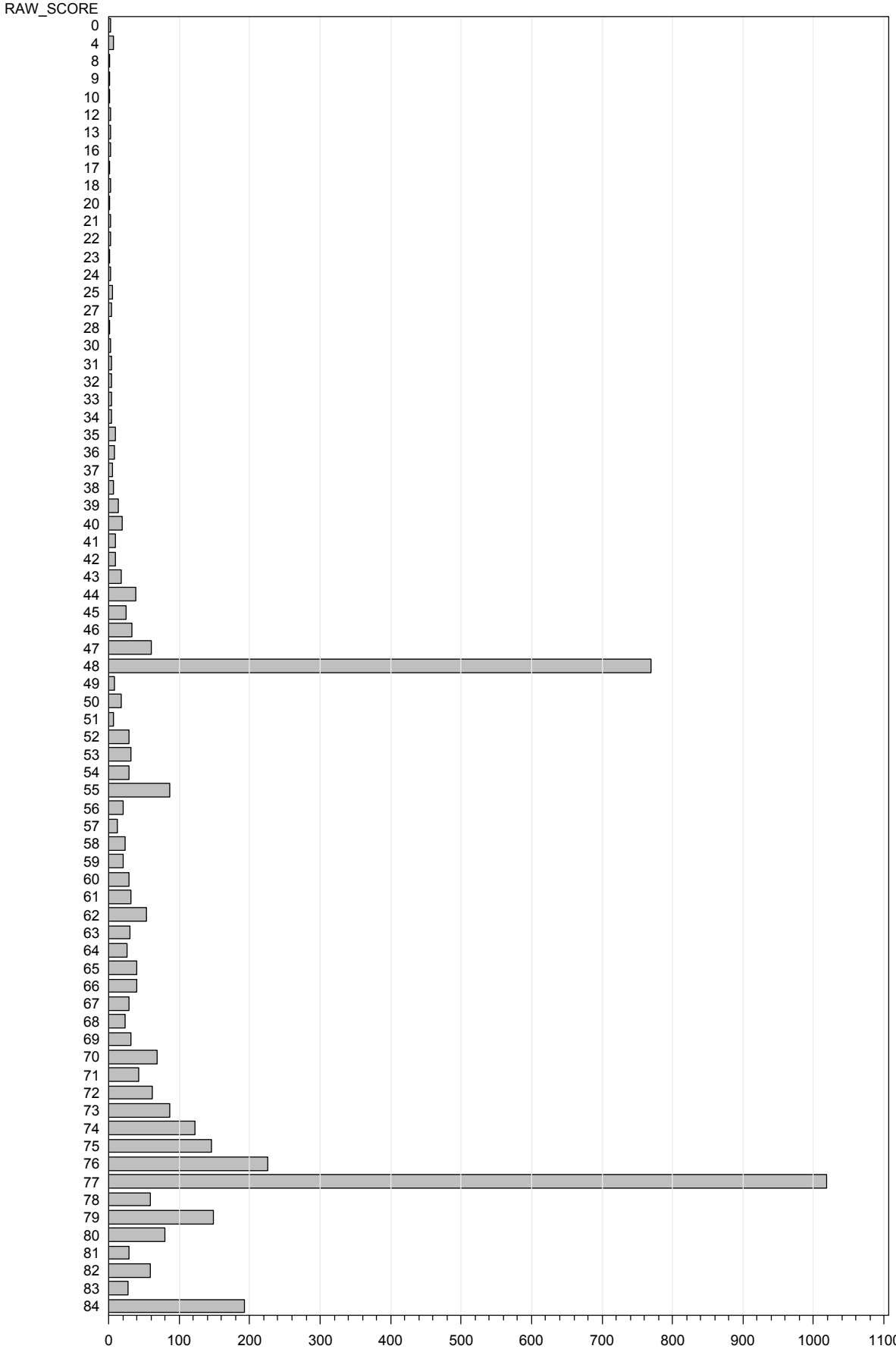
STAAR ALTERNATE SPRING 2013
GRADE 8 MATHEMATICS
ALL STUDENTS



RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	4	4	0.12	0.12
3	3	7	0.09	0.20
7	1	8	0.03	0.23
8	4	12	0.12	0.35
9	2	14	0.06	0.41
11	1	15	0.03	0.44
14	1	16	0.03	0.47
15	1	17	0.03	0.49
16	1	18	0.03	0.52
17	2	20	0.06	0.58
18	2	22	0.06	0.64
19	4	26	0.12	0.76
20	3	29	0.09	0.84
21	3	32	0.09	0.93
22	4	36	0.12	1.05
24	1	37	0.03	1.08
25	1	38	0.03	1.10
27	3	41	0.09	1.19
28	4	45	0.12	1.31
29	1	46	0.03	1.34
30	10	56	0.29	1.63
31	6	62	0.17	1.80
32	2	64	0.06	1.86
33	2	66	0.06	1.92
34	6	72	0.17	2.09
35	1	73	0.03	2.12
36	20	93	0.58	2.70
37	5	98	0.15	2.85
38	2	100	0.06	2.91
39	7	107	0.20	3.11
40	13	120	0.38	3.49
41	6	126	0.17	3.66
42	9	135	0.26	3.93
43	13	148	0.38	4.30
44	35	183	1.02	5.32
45	24	207	0.70	6.02
46	36	243	1.05	7.07
47	51	294	1.48	8.55
48	670	964	19.48	28.03
49	15	979	0.44	28.47
50	12	991	0.35	28.82
51	10	1001	0.29	29.11
52	11	1012	0.32	29.43
53	27	1039	0.79	30.21
54	25	1064	0.73	30.94
55	99	1163	2.88	33.82
56	16	1179	0.47	34.28
57	9	1188	0.26	34.54
58	13	1201	0.38	34.92
59	20	1221	0.58	35.50
60	28	1249	0.81	36.32
61	20	1269	0.58	36.90
62	46	1315	1.34	38.24
63	17	1332	0.49	38.73
64	22	1354	0.64	39.37
65	14	1368	0.41	39.78
66	30	1398	0.87	40.65
67	26	1424	0.76	41.41
68	23	1447	0.67	42.08
69	37	1484	1.08	43.15
70	47	1531	1.37	44.52
71	43	1574	1.25	45.77
72	43	1617	1.25	47.02
73	67	1684	1.95	48.97
74	106	1790	3.08	52.05
75	112	1902	3.26	55.31
76	147	2049	4.27	59.58
77	843	2892	24.51	84.09
78	41	2933	1.19	85.29
79	116	3049	3.37	88.66
80	89	3138	2.59	91.25
81	21	3159	0.61	91.86
82	76	3235	2.21	94.07
83	28	3263	0.81	94.88
84	176	3439	5.12	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

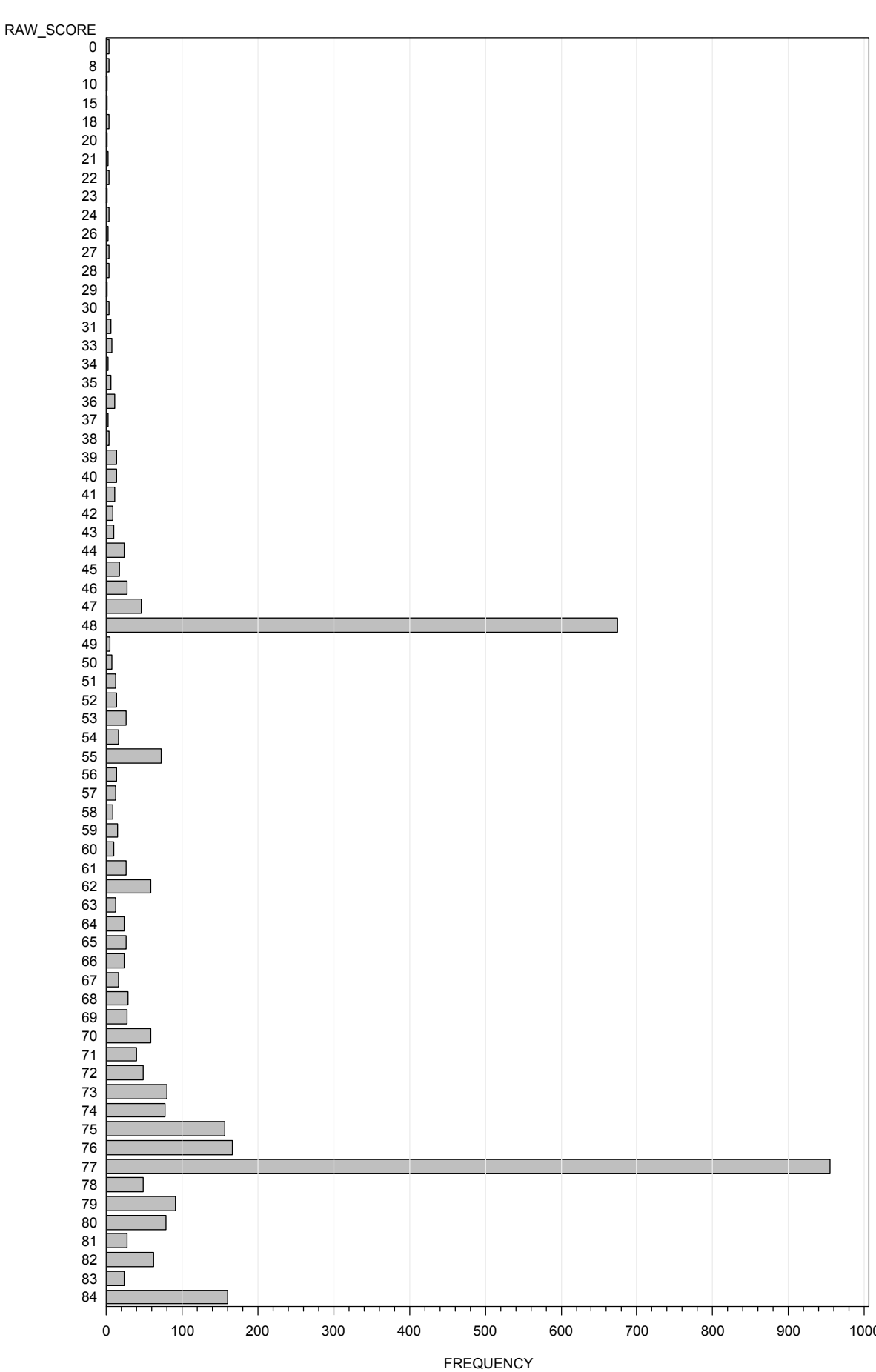
STAAR ALTERNATE SPRING 2013
GRADE 5 SCIENCE
ALL STUDENTS



RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	3	3	0.07	0.07
4	6	9	0.15	0.22
8	1	10	0.02	0.25
9	1	11	0.02	0.27
10	1	12	0.02	0.30
12	2	14	0.05	0.34
13	2	16	0.05	0.39
16	2	18	0.05	0.44
17	1	19	0.02	0.47
18	2	21	0.05	0.52
20	1	22	0.02	0.54
21	2	24	0.05	0.59
22	2	26	0.05	0.64
23	1	27	0.02	0.66
24	3	30	0.07	0.74
25	5	35	0.12	0.86
27	4	39	0.10	0.96
28	1	40	0.02	0.98
30	2	42	0.05	1.03
31	4	46	0.10	1.13
32	4	50	0.10	1.23
33	4	54	0.10	1.33
34	4	58	0.10	1.43
35	9	67	0.22	1.65
36	8	75	0.20	1.85
37	5	80	0.12	1.97
38	7	87	0.17	2.14
39	13	100	0.32	2.46
40	19	119	0.47	2.93
41	10	129	0.25	3.18
42	10	139	0.25	3.42
43	18	157	0.44	3.87
44	38	195	0.94	4.80
45	24	219	0.59	5.39
46	33	252	0.81	6.20
47	61	313	1.50	7.71
48	770	1083	18.96	26.66
49	8	1091	0.20	26.86
50	18	1109	0.44	27.30
51	7	1116	0.17	27.47
52	29	1145	0.71	28.19
53	31	1176	0.76	28.95
54	28	1204	0.69	29.64
55	87	1291	2.14	31.78
56	21	1312	0.52	32.30
57	12	1324	0.30	32.59
58	23	1347	0.57	33.16
59	20	1367	0.49	33.65
60	29	1396	0.71	34.37
61	31	1427	0.76	35.13
62	54	1481	1.33	36.46
63	30	1511	0.74	37.20
64	26	1537	0.64	37.84
65	39	1576	0.96	38.80
66	40	1616	0.98	39.78
67	28	1644	0.69	40.47
68	23	1667	0.57	41.04
69	31	1698	0.76	41.80
70	68	1766	1.67	43.48
71	43	1809	1.06	44.53
72	62	1871	1.53	46.06
73	86	1957	2.12	48.18
74	122	2079	3.00	51.18
75	146	2225	3.59	54.78
76	226	2451	5.56	60.34
77	1018	3469	25.06	85.40
78	59	3528	1.45	86.85
79	148	3676	3.64	90.50
80	79	3755	1.94	92.44
81	28	3783	0.69	93.13
82	59	3842	1.45	94.58
83	27	3869	0.66	95.25
84	193	4062	4.75	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

STAAR ALTERNATE SPRING 2013
GRADE 8 SCIENCE
ALL STUDENTS



RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	4	4	0.12	0.12
8	4	8	0.12	0.23
10	1	9	0.03	0.26
15	1	10	0.03	0.29
18	4	14	0.12	0.41
20	1	15	0.03	0.44
21	2	17	0.06	0.49
22	4	21	0.12	0.61
23	1	22	0.03	0.64
24	3	25	0.09	0.73
26	2	27	0.06	0.78
27	3	30	0.09	0.87
28	4	34	0.12	0.99
29	1	35	0.03	1.02
30	4	39	0.12	1.13
31	6	45	0.17	1.31
33	7	52	0.20	1.51
34	2	54	0.06	1.57
35	6	60	0.17	1.74
36	11	71	0.32	2.06
37	2	73	0.06	2.12
38	4	77	0.12	2.24
39	14	91	0.41	2.65
40	13	104	0.38	3.02
41	11	115	0.32	3.34
42	8	123	0.23	3.58
43	10	133	0.29	3.87
44	23	156	0.67	4.53
45	17	173	0.49	5.03
46	27	200	0.78	5.81
47	46	246	1.34	7.15
48	674	920	19.59	26.74
49	5	925	0.15	26.89
50	7	932	0.20	27.09
51	12	944	0.35	27.44
52	13	957	0.38	27.82
53	26	983	0.76	28.58
54	16	999	0.47	29.04
55	72	1071	2.09	31.13
56	13	1084	0.38	31.51
57	12	1096	0.35	31.86
58	9	1105	0.26	32.12
59	15	1120	0.44	32.56
60	10	1130	0.29	32.85
61	26	1156	0.76	33.60
62	58	1214	1.69	35.29
63	12	1226	0.35	35.64
64	23	1249	0.67	36.31
65	26	1275	0.76	37.06
66	23	1298	0.67	37.73
67	16	1314	0.47	38.20
68	29	1343	0.84	39.04
69	27	1370	0.78	39.83
70	58	1428	1.69	41.51
71	40	1468	1.16	42.67
72	48	1516	1.40	44.07
73	80	1596	2.33	46.40
74	77	1673	2.24	48.63
75	156	1829	4.53	53.17
76	166	1995	4.83	57.99
77	955	2950	27.76	85.76
78	48	2998	1.40	87.15
79	91	3089	2.65	89.80
80	78	3167	2.27	92.06
81	27	3194	0.78	92.85
82	62	3256	1.80	94.65
83	24	3280	0.70	95.35
84	160	3440	4.65	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

STAAR ALTERNATE SPRING 2013
GRADE 8 SOCIAL STUDIES
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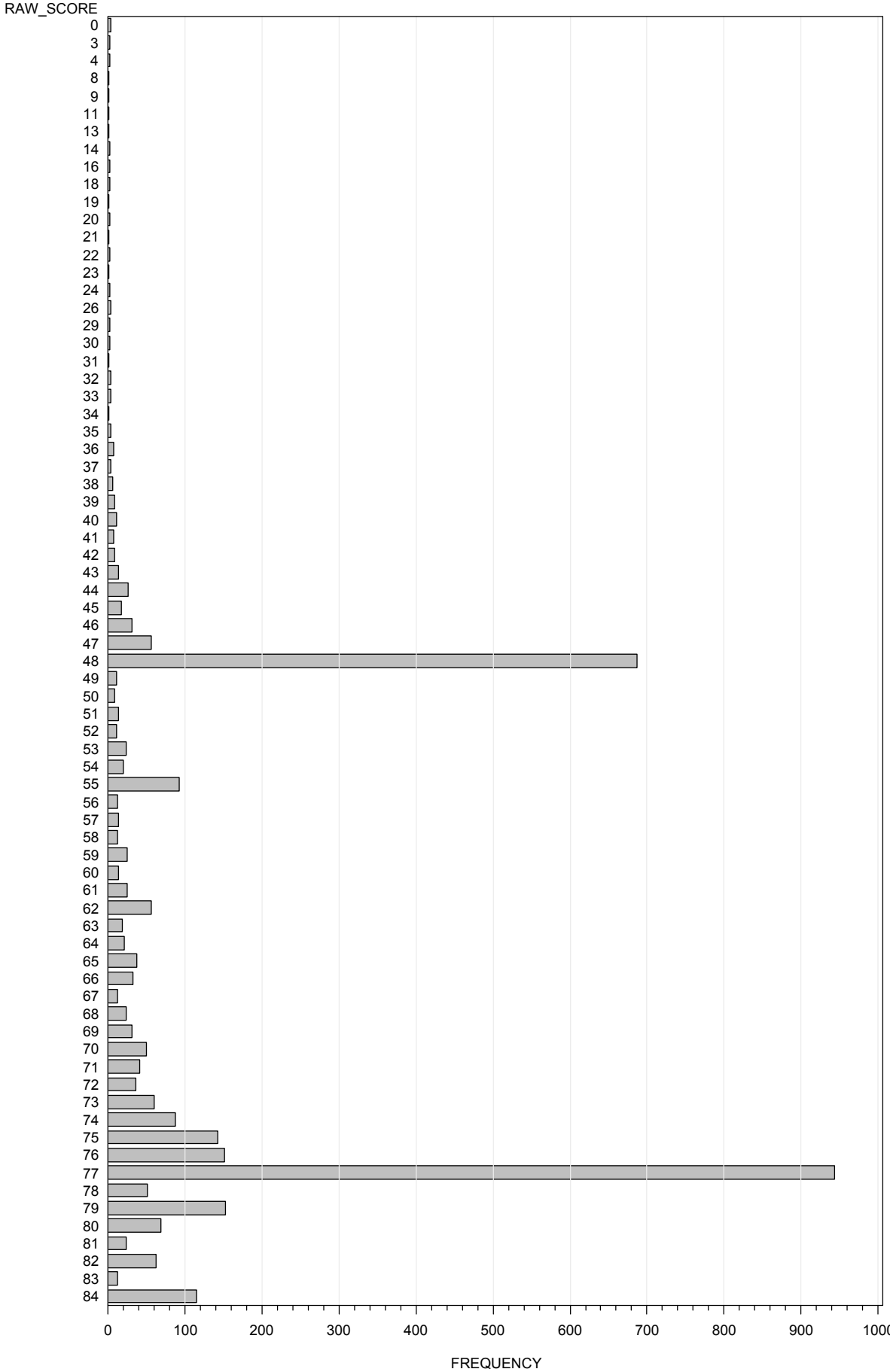

RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	3	3	0.09	0.09
3	2	5	0.06	0.15
4	2	7	0.06	0.20
8	1	8	0.03	0.23
9	1	9	0.03	0.26
11	1	10	0.03	0.29
13	1	11	0.03	0.32
14	2	13	0.06	0.38
16	2	15	0.06	0.44
18	2	17	0.06	0.49
19	1	18	0.03	0.52
20	2	20	0.06	0.58
21	1	21	0.03	0.61
22	2	23	0.06	0.67
23	1	24	0.03	0.70
24	2	26	0.06	0.76
26	4	30	0.12	0.87
29	2	32	0.06	0.93
30	2	34	0.06	0.99
31	1	35	0.03	1.02
32	3	38	0.09	1.11
33	4	42	0.12	1.22
34	1	43	0.03	1.25
35	3	46	0.09	1.34
36	7	53	0.20	1.54
37	4	57	0.12	1.66
38	6	63	0.17	1.83
39	9	72	0.26	2.09
40	11	83	0.32	2.41
41	7	90	0.20	2.62
42	8	98	0.23	2.85
43	14	112	0.41	3.26
44	26	138	0.76	4.01
45	17	155	0.49	4.51
46	31	186	0.90	5.41
47	56	242	1.63	7.04
48	687	929	19.98	27.02
49	11	940	0.32	27.34
50	8	948	0.23	27.57
51	14	962	0.41	27.98
52	11	973	0.32	28.30
53	23	996	0.67	28.97
54	20	1016	0.58	29.55
55	92	1108	2.68	32.23
56	12	1120	0.35	32.58
57	13	1133	0.38	32.96
58	12	1145	0.35	33.30
59	25	1170	0.73	34.03
60	14	1184	0.41	34.44
61	25	1209	0.73	35.17
62	56	1265	1.63	36.79
63	19	1284	0.55	37.35
64	21	1305	0.61	37.96
65	37	1342	1.08	39.03
66	32	1374	0.93	39.97
67	12	1386	0.35	40.31
68	24	1410	0.70	41.01
69	31	1441	0.90	41.91
70	50	1491	1.45	43.37
71	41	1532	1.19	44.56
72	36	1568	1.05	45.61
73	60	1628	1.75	47.35
74	87	1715	2.53	49.88
75	143	1858	4.16	54.04
76	151	2009	4.39	58.44
77	944	2953	27.46	85.89
78	51	3004	1.48	87.38
79	153	3157	4.45	91.83
80	69	3226	2.01	93.83
81	23	3249	0.67	94.50
82	62	3311	1.80	96.31
83	12	3323	0.35	96.66
84	115	3438	3.34	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

STAAR ALTERNATE SPRING 2013
GRADE 4 WRITING
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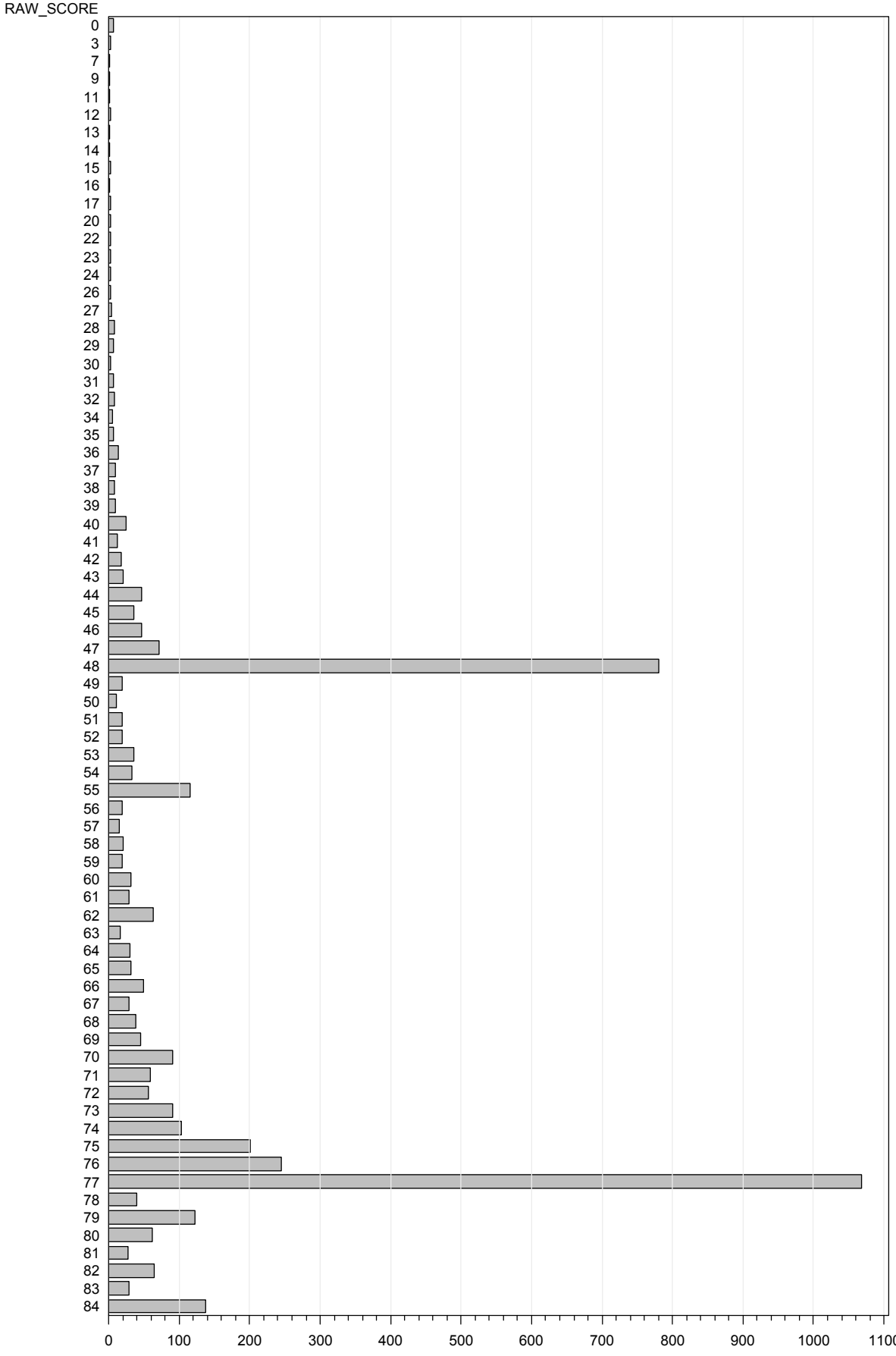
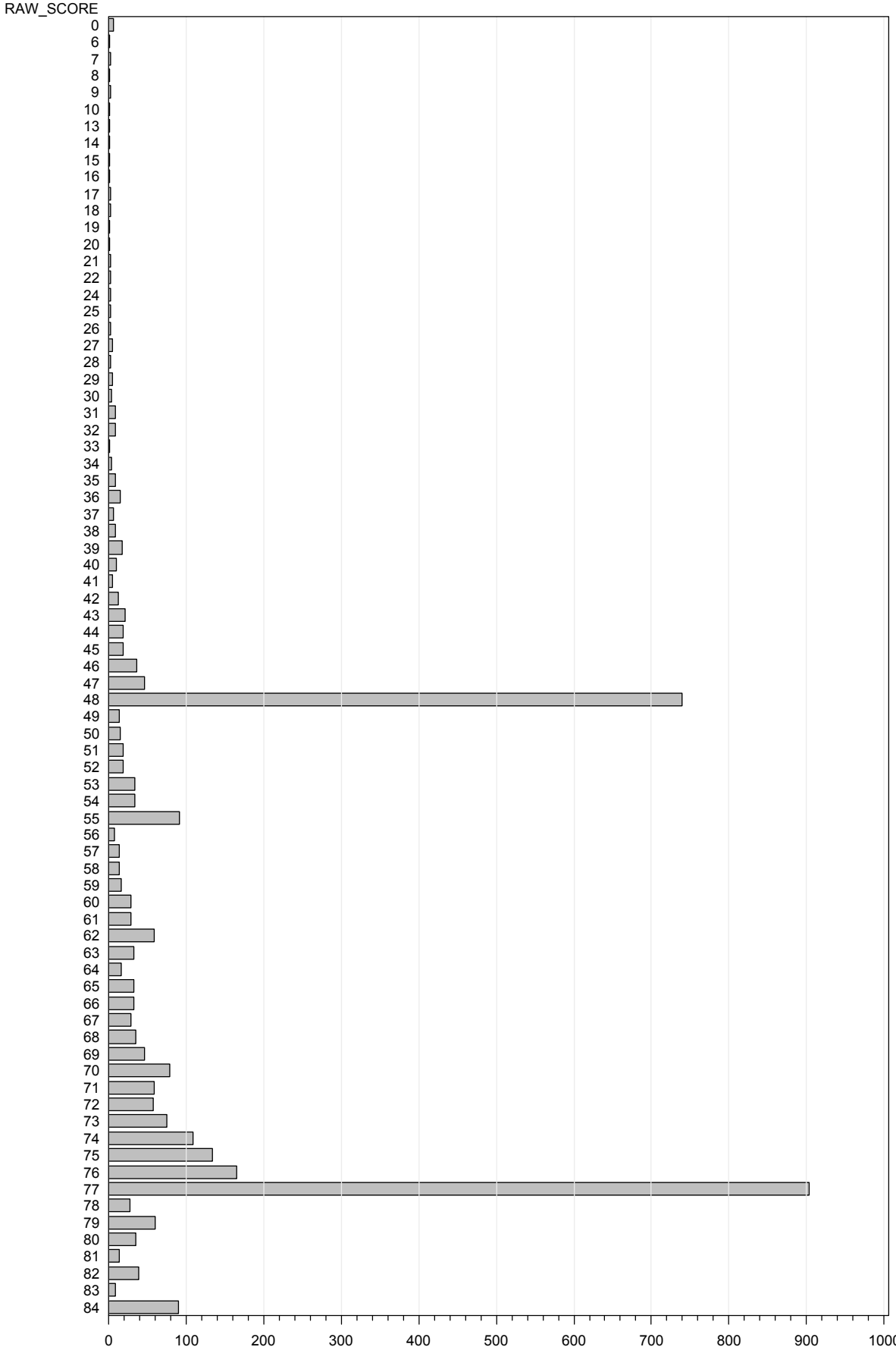


RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	7	7	0.16	0.16
3	2	9	0.05	0.21
7	1	10	0.02	0.23
9	1	11	0.02	0.26
11	1	12	0.02	0.28
12	3	15	0.07	0.35
13	1	16	0.02	0.38
14	1	17	0.02	0.40
15	2	19	0.05	0.45
16	1	20	0.02	0.47
17	2	22	0.05	0.52
20	3	25	0.07	0.59
22	3	28	0.07	0.66
23	2	30	0.05	0.70
24	3	33	0.07	0.78
26	3	36	0.07	0.85
27	4	40	0.09	0.94
28	8	48	0.19	1.13
29	6	54	0.14	1.27
30	2	56	0.05	1.32
31	6	62	0.14	1.46
32	8	70	0.19	1.64
34	5	75	0.12	1.76
35	7	82	0.16	1.93
36	14	96	0.33	2.26
37	10	106	0.23	2.49
38	8	114	0.19	2.68
39	9	123	0.21	2.89
40	24	147	0.56	3.45
41	12	159	0.28	3.74
42	17	176	0.40	4.13
43	20	196	0.47	4.60
44	47	243	1.10	5.71
45	35	278	0.82	6.53
46	46	324	1.08	7.61
47	72	396	1.69	9.30
48	780	1176	18.32	27.63
49	19	1195	0.45	28.07
50	11	1206	0.26	28.33
51	19	1225	0.45	28.78
52	19	1244	0.45	29.22
53	35	1279	0.82	30.04
54	33	1312	0.78	30.82
55	115	1427	2.70	33.52
56	19	1446	0.45	33.97
57	15	1461	0.35	34.32
58	21	1482	0.49	34.81
59	19	1501	0.45	35.26
60	31	1532	0.73	35.99
61	28	1560	0.66	36.65
62	63	1623	1.48	38.13
63	16	1639	0.38	38.50
64	30	1669	0.70	39.21
65	31	1700	0.73	39.93
66	49	1749	1.15	41.09
67	29	1778	0.68	41.77
68	38	1816	0.89	42.66
69	45	1861	1.06	43.72
70	91	1952	2.14	45.85
71	59	2011	1.39	47.24
72	56	2067	1.32	48.56
73	91	2158	2.14	50.69
74	103	2261	2.42	53.11
75	201	2462	4.72	57.83
76	245	2707	5.76	63.59
77	1068	3775	25.09	88.68
78	40	3815	0.94	89.62
79	122	3937	2.87	92.48
80	62	3999	1.46	93.94
81	27	4026	0.63	94.57
82	65	4091	1.53	96.10
83	28	4119	0.66	96.76
84	138	4257	3.24	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

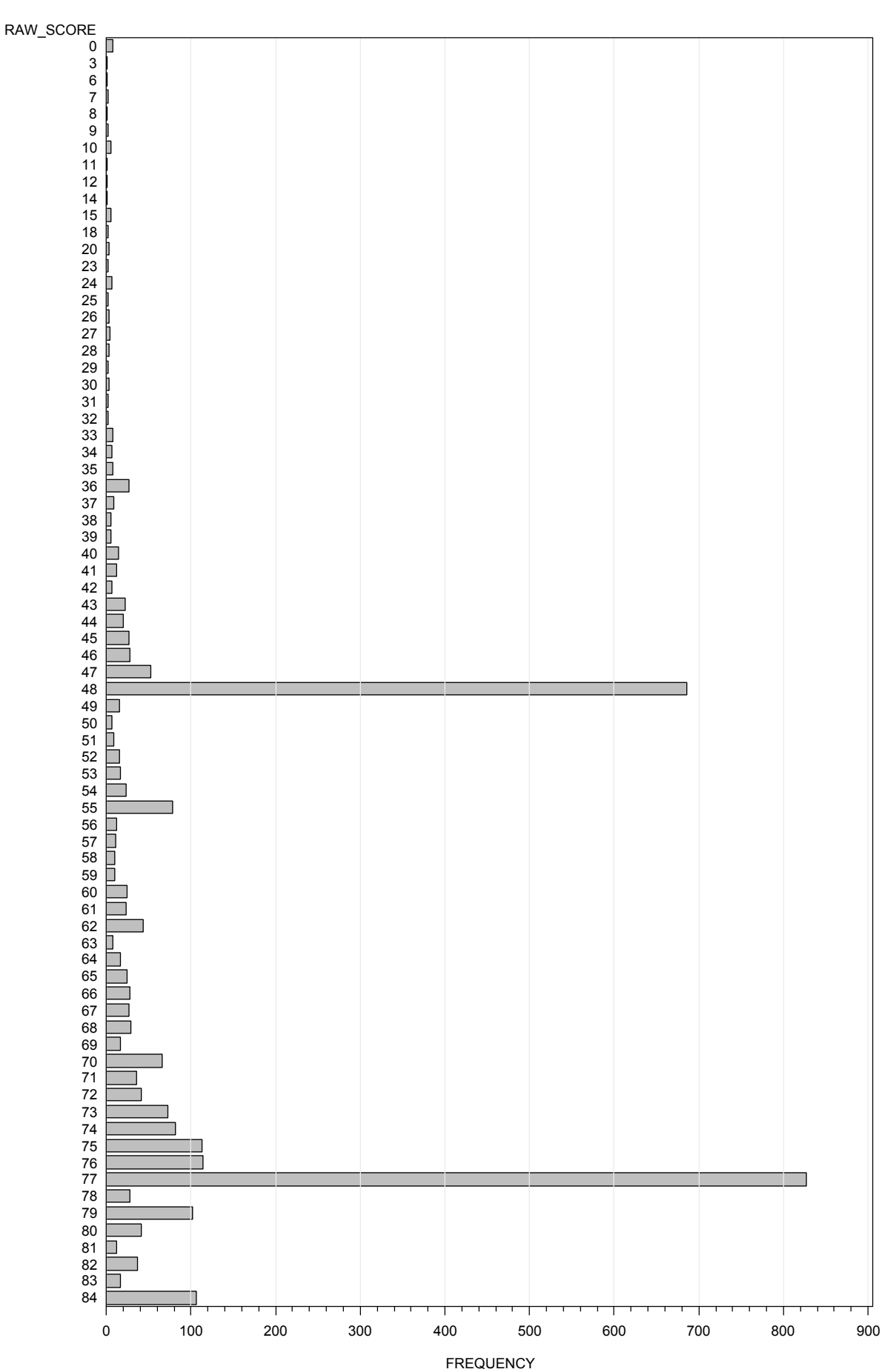
STAAR ALTERNATE SPRING 2013
GRADE 7 WRITING
ALL STUDENTS



RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	6	6	0.17	0.17
6	1	7	0.03	0.20
7	2	9	0.06	0.26
8	1	10	0.03	0.29
9	2	12	0.06	0.34
10	1	13	0.03	0.37
13	1	14	0.03	0.40
14	1	15	0.03	0.43
15	1	16	0.03	0.46
16	1	17	0.03	0.49
17	2	19	0.06	0.54
18	2	21	0.06	0.60
19	1	22	0.03	0.63
20	1	23	0.03	0.66
21	2	25	0.06	0.72
22	2	27	0.06	0.77
24	2	29	0.06	0.83
25	2	31	0.06	0.89
26	2	33	0.06	0.94
27	5	38	0.14	1.09
28	2	40	0.06	1.15
29	5	45	0.14	1.29
30	3	48	0.09	1.37
31	9	57	0.26	1.63
32	8	65	0.23	1.86
33	1	66	0.03	1.89
34	3	69	0.09	1.98
35	9	78	0.26	2.23
36	15	93	0.43	2.66
37	6	99	0.17	2.83
38	9	108	0.26	3.09
39	17	125	0.49	3.58
40	10	135	0.29	3.86
41	5	140	0.14	4.01
42	12	152	0.34	4.35
43	21	173	0.60	4.95
44	18	191	0.52	5.47
45	19	210	0.54	6.01
46	36	246	1.03	7.04
47	46	292	1.32	8.36
48	740	1032	21.19	29.54
49	14	1046	0.40	29.95
50	15	1061	0.43	30.38
51	19	1080	0.54	30.92
52	18	1098	0.52	31.43
53	34	1132	0.97	32.41
54	33	1165	0.94	33.35
55	91	1256	2.61	35.96
56	7	1263	0.20	36.16
57	14	1277	0.40	36.56
58	13	1290	0.37	36.93
59	16	1306	0.46	37.39
60	29	1335	0.83	38.22
61	28	1363	0.80	39.02
62	58	1421	1.66	40.68
63	32	1453	0.92	41.60
64	16	1469	0.46	42.06
65	32	1501	0.92	42.97
66	32	1533	0.92	43.89
67	28	1561	0.80	44.69
68	35	1596	1.00	45.69
69	46	1642	1.32	47.01
70	78	1720	2.23	49.24
71	58	1778	1.66	50.90
72	57	1835	1.63	52.53
73	75	1910	2.15	54.68
74	109	2019	3.12	57.80
75	134	2153	3.84	61.64
76	165	2318	4.72	66.36
77	903	3221	25.85	92.21
78	27	3248	0.77	92.99
79	60	3308	1.72	94.70
80	35	3343	1.00	95.71
81	13	3356	0.37	96.08
82	39	3395	1.12	97.19
83	8	3403	0.23	97.42
84	90	3493	2.58	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

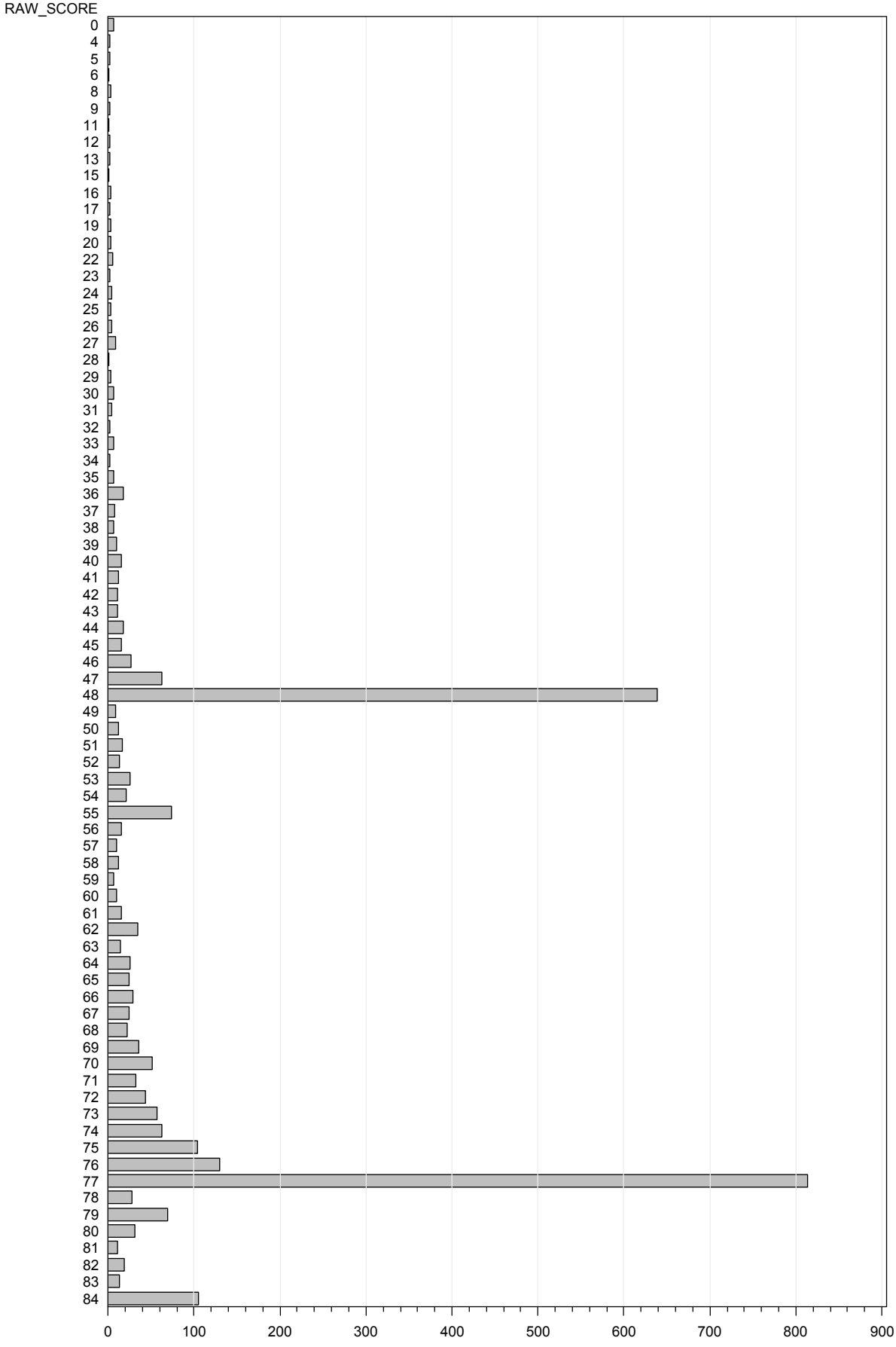
STAAR ALTERNATE EOC SPRING 2013
ENGLISH I
ALL STUDENTS



RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	8	8	0.25	0.25
3	1	9	0.03	0.29
6	1	10	0.03	0.32
7	2	12	0.06	0.38
8	1	13	0.03	0.41
9	2	15	0.06	0.48
10	5	20	0.16	0.64
11	1	21	0.03	0.67
12	1	22	0.03	0.70
14	1	23	0.03	0.73
15	5	28	0.16	0.89
18	2	30	0.06	0.95
20	3	33	0.10	1.05
23	2	35	0.06	1.11
24	7	42	0.22	1.34
25	2	44	0.06	1.40
26	3	47	0.10	1.50
27	4	51	0.13	1.62
28	3	54	0.10	1.72
29	2	56	0.06	1.78
30	3	59	0.10	1.88
31	2	61	0.06	1.94
32	2	63	0.06	2.01
33	8	71	0.25	2.26
34	6	77	0.19	2.45
35	8	85	0.25	2.71
36	27	112	0.86	3.56
37	9	121	0.29	3.85
38	5	126	0.16	4.01
39	5	131	0.16	4.17
40	14	145	0.45	4.61
41	12	157	0.38	5.00
42	7	164	0.22	5.22
43	22	186	0.70	5.92
44	20	206	0.64	6.56
45	27	233	0.86	7.42
46	28	261	0.89	8.31
47	52	313	1.65	9.96
48	686	999	21.83	31.80
49	16	1015	0.51	32.30
50	7	1022	0.22	32.53
51	9	1031	0.29	32.81
52	15	1046	0.48	33.29
53	17	1063	0.54	33.83
54	23	1086	0.73	34.56
55	78	1164	2.48	37.05
56	12	1176	0.38	37.43
57	11	1187	0.35	37.78
58	10	1197	0.32	38.10
59	10	1207	0.32	38.42
60	24	1231	0.76	39.18
61	23	1254	0.73	39.91
62	43	1297	1.37	41.28
63	8	1305	0.25	41.53
64	17	1322	0.54	42.08
65	24	1346	0.76	42.84
66	28	1374	0.89	43.73
67	27	1401	0.86	44.59
68	29	1430	0.92	45.51
69	17	1447	0.54	46.05
70	66	1513	2.10	48.15
71	36	1549	1.15	49.30
72	41	1590	1.30	50.60
73	73	1663	2.32	52.93
74	82	1745	2.61	55.54
75	113	1858	3.60	59.13
76	114	1972	3.63	62.76
77	827	2799	26.32	89.08
78	28	2827	0.89	89.97
79	102	2929	3.25	93.22
80	41	2970	1.30	94.53
81	12	2982	0.38	94.91
82	37	3019	1.18	96.09
83	17	3036	0.54	96.63
84	106	3142	3.37	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

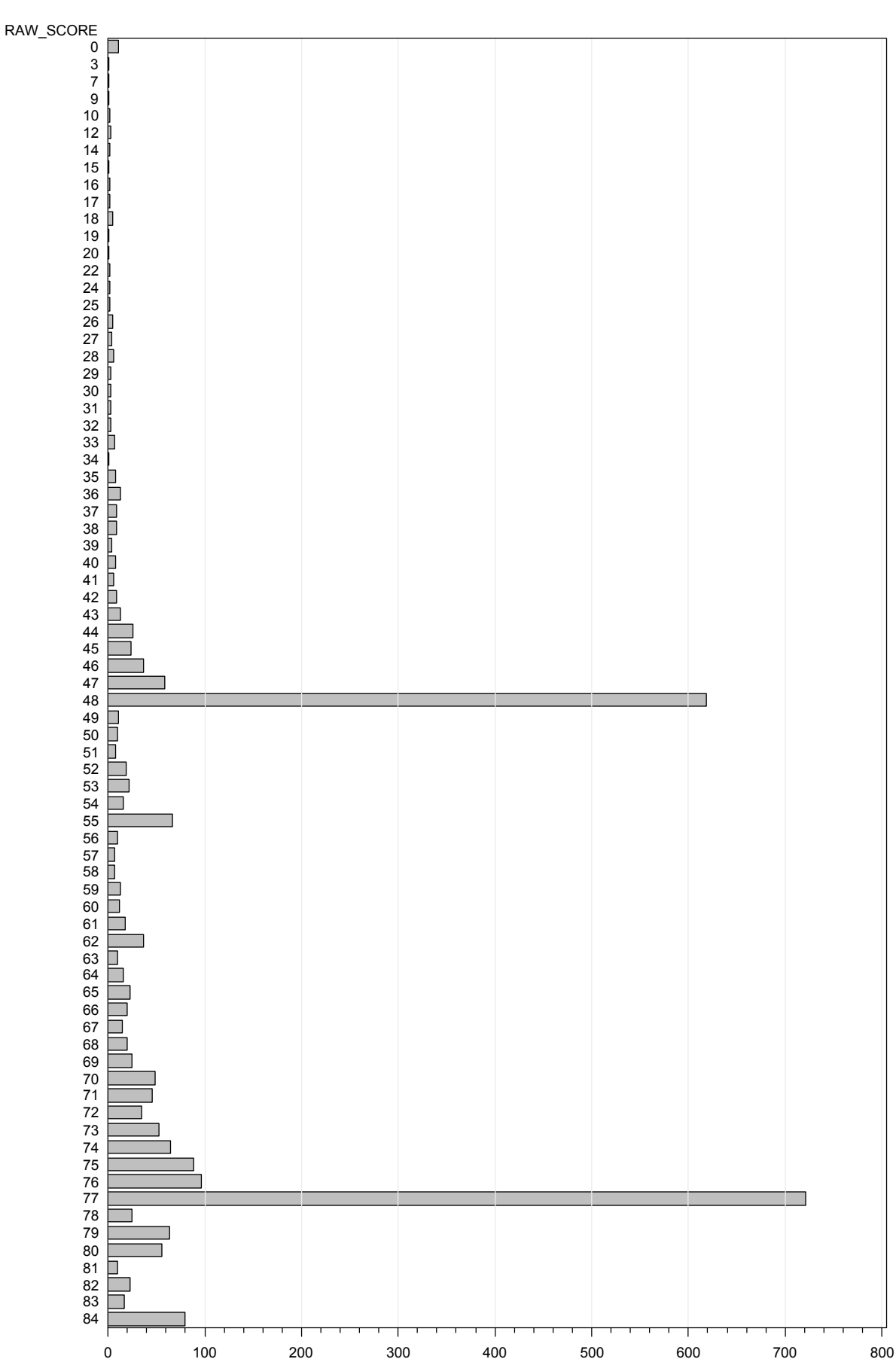
STAAR ALTERNATE EOC SPRING 2013
ENGLISH II
ALL STUDENTS



RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	6	6	0.20	0.20
4	2	8	0.07	0.27
5	2	10	0.07	0.34
6	1	11	0.03	0.37
8	3	14	0.10	0.47
9	2	16	0.07	0.54
11	1	17	0.03	0.57
12	2	19	0.07	0.64
13	2	21	0.07	0.71
15	1	22	0.03	0.74
16	3	25	0.10	0.84
17	2	27	0.07	0.91
19	3	30	0.10	1.01
20	3	33	0.10	1.11
22	5	38	0.17	1.28
23	2	40	0.07	1.35
24	4	44	0.13	1.48
25	3	47	0.10	1.58
26	4	51	0.13	1.72
27	9	60	0.30	2.02
28	1	61	0.03	2.06
29	3	64	0.10	2.16
30	6	70	0.20	2.36
31	4	74	0.13	2.49
32	2	76	0.07	2.56
33	6	82	0.20	2.76
34	2	84	0.07	2.83
35	6	90	0.20	3.03
36	18	108	0.61	3.64
37	8	116	0.27	3.91
38	7	123	0.24	4.15
39	10	133	0.34	4.48
40	15	148	0.51	4.99
41	12	160	0.40	5.39
42	11	171	0.37	5.76
43	11	182	0.37	6.13
44	18	200	0.61	6.74
45	16	216	0.54	7.28
46	27	243	0.91	8.19
47	62	305	2.09	10.28
48	639	944	21.54	31.82
49	9	953	0.30	32.12
50	12	965	0.40	32.52
51	17	982	0.57	33.10
52	13	995	0.44	33.54
53	26	1021	0.88	34.41
54	21	1042	0.71	35.12
55	74	1116	2.49	37.61
56	16	1132	0.54	38.15
57	10	1142	0.34	38.49
58	12	1154	0.40	38.89
59	7	1161	0.24	39.13
60	10	1171	0.34	39.47
61	16	1187	0.54	40.01
62	35	1222	1.18	41.19
63	14	1236	0.47	41.66
64	26	1262	0.88	42.53
65	24	1286	0.81	43.34
66	29	1315	0.98	44.32
67	25	1340	0.84	45.16
68	22	1362	0.74	45.90
69	36	1398	1.21	47.12
70	51	1449	1.72	48.84
71	32	1481	1.08	49.92
72	43	1524	1.45	51.37
73	57	1581	1.92	53.29
74	62	1643	2.09	55.38
75	104	1747	3.51	58.88
76	130	1877	4.38	63.26
77	814	2691	27.44	90.70
78	28	2719	0.94	91.64
79	69	2788	2.33	93.97
80	31	2819	1.04	95.01
81	11	2830	0.37	95.38
82	19	2849	0.64	96.02
83	13	2862	0.44	96.46
84	105	2967	3.54	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

STAAR ALTERNATE EOC SPRING 2013
ENGLISH III
ALL STUDENTS



RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	11	11	0.40	0.40
3	1	12	0.04	0.44
7	1	13	0.04	0.48
9	1	14	0.04	0.51
10	2	16	0.07	0.59
12	3	19	0.11	0.70
14	2	21	0.07	0.77
15	1	22	0.04	0.81
16	2	24	0.07	0.88
17	2	26	0.07	0.95
18	5	31	0.18	1.13
19	1	32	0.04	1.17
20	1	33	0.04	1.21
22	2	35	0.07	1.28
24	2	37	0.07	1.35
25	2	39	0.07	1.43
26	5	44	0.18	1.61
27	4	48	0.15	1.76
28	6	54	0.22	1.98
29	3	57	0.11	2.09
30	3	60	0.11	2.20
31	3	63	0.11	2.31
32	3	66	0.11	2.42
33	7	73	0.26	2.67
34	1	74	0.04	2.71
35	8	82	0.29	3.00
36	13	95	0.48	3.48
37	9	104	0.33	3.81
38	9	113	0.33	4.14
39	4	117	0.15	4.28
40	8	125	0.29	4.58
41	6	131	0.22	4.80
42	9	140	0.33	5.12
43	13	153	0.48	5.60
44	26	179	0.95	6.55
45	24	203	0.88	7.43
46	37	240	1.35	8.78
47	59	299	2.16	10.94
48	619	918	22.66	33.60
49	11	929	0.40	34.00
50	10	939	0.37	34.37
51	8	947	0.29	34.66
52	19	966	0.70	35.36
53	22	988	0.81	36.16
54	16	1004	0.59	36.75
55	67	1071	2.45	39.20
56	10	1081	0.37	39.57
57	7	1088	0.26	39.82
58	7	1095	0.26	40.08
59	13	1108	0.48	40.56
60	12	1120	0.44	41.00
61	18	1138	0.66	41.65
62	37	1175	1.35	43.01
63	10	1185	0.37	43.37
64	16	1201	0.59	43.96
65	23	1224	0.84	44.80
66	20	1244	0.73	45.53
67	15	1259	0.55	46.08
68	20	1279	0.73	46.82
69	25	1304	0.92	47.73
70	49	1353	1.79	49.52
71	46	1399	1.68	51.21
72	35	1434	1.28	52.49
73	53	1487	1.94	54.43
74	65	1552	2.38	56.81
75	88	1640	3.22	60.03
76	96	1736	3.51	63.54
77	721	2457	26.39	89.93
78	25	2482	0.92	90.85
79	64	2546	2.34	93.19
80	56	2602	2.05	95.24
81	10	2612	0.37	95.61
82	23	2635	0.84	96.45
83	17	2652	0.62	97.07
84	80	2732	2.93	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

STAAR ALTERNATE EOC SPRING 2013
ALGEBRA I
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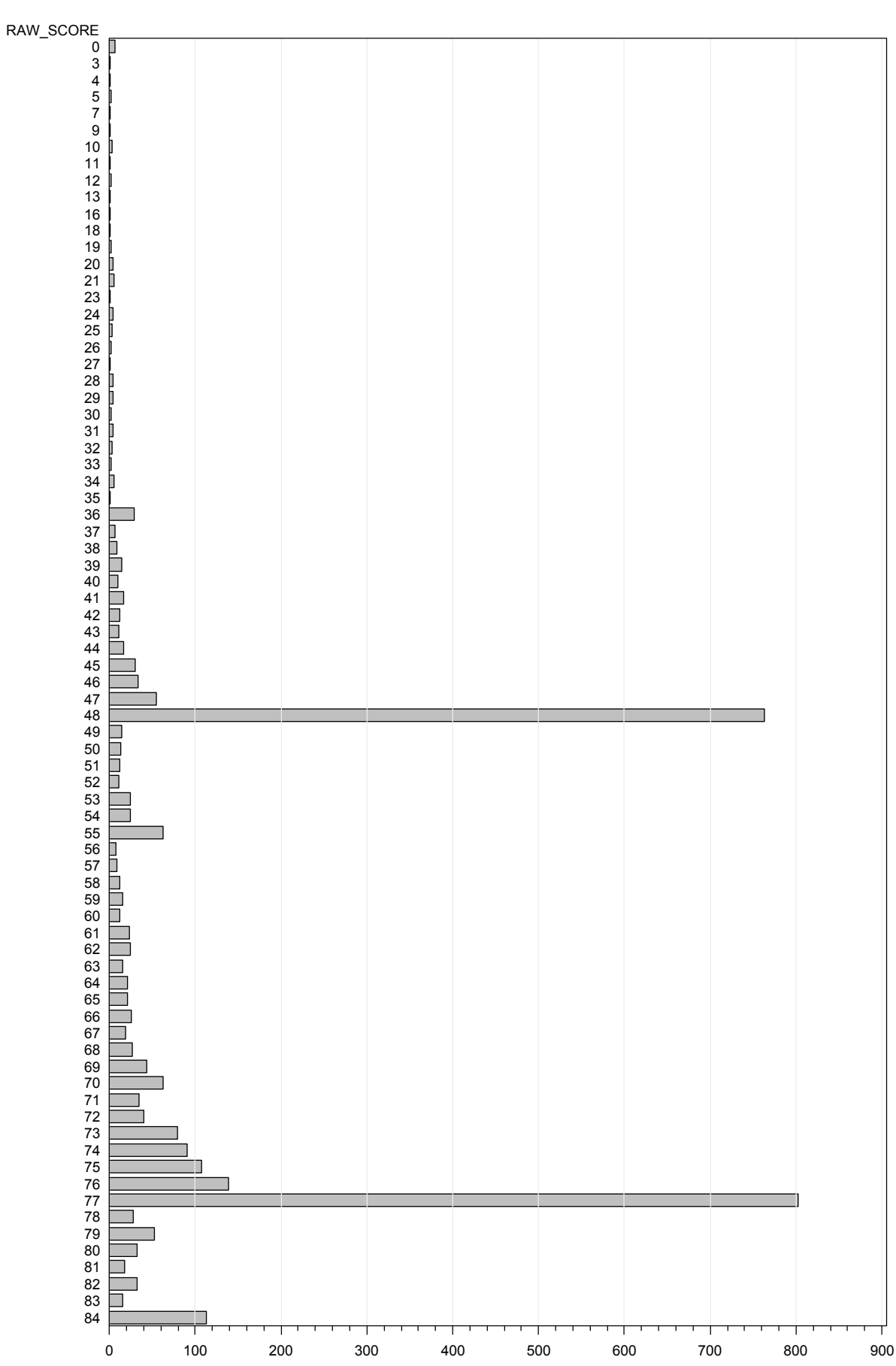
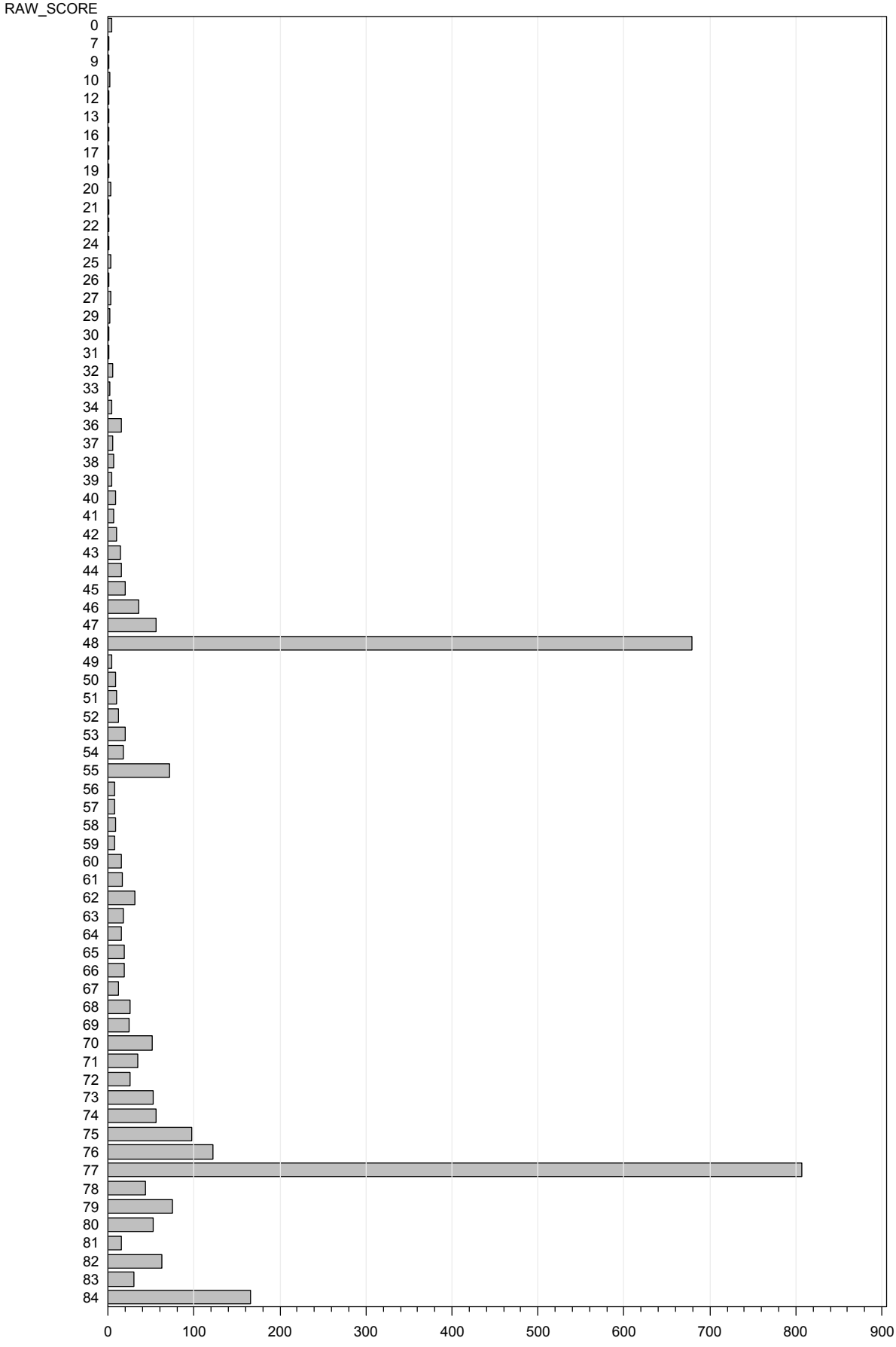


RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	7	7	0.22	0.22
3	1	8	0.03	0.25
4	1	9	0.03	0.28
5	2	11	0.06	0.35
7	1	12	0.03	0.38
9	1	13	0.03	0.41
10	3	16	0.09	0.51
11	1	17	0.03	0.54
12	2	19	0.06	0.60
13	1	20	0.03	0.63
16	1	21	0.03	0.66
18	1	22	0.03	0.70
19	2	24	0.06	0.76
20	4	28	0.13	0.89
21	5	33	0.16	1.04
23	1	34	0.03	1.08
24	4	38	0.13	1.20
25	3	41	0.09	1.30
26	2	43	0.06	1.36
27	1	44	0.03	1.39
28	4	48	0.13	1.52
29	4	52	0.13	1.65
30	2	54	0.06	1.71
31	4	58	0.13	1.84
32	3	61	0.09	1.93
33	2	63	0.06	1.99
34	5	68	0.16	2.15
35	1	69	0.03	2.18
36	29	98	0.92	3.10
37	7	105	0.22	3.32
38	9	114	0.28	3.61
39	14	128	0.44	4.05
40	10	138	0.32	4.37
41	17	155	0.54	4.91
42	12	167	0.38	5.29
43	11	178	0.35	5.63
44	17	195	0.54	6.17
45	30	225	0.95	7.12
46	33	258	1.04	8.17
47	55	313	1.74	9.91
48	763	1076	24.15	34.06
49	14	1090	0.44	34.50
50	13	1103	0.41	34.92
51	12	1115	0.38	35.30
52	11	1126	0.35	35.64
53	25	1151	0.79	36.44
54	24	1175	0.76	37.20
55	62	1237	1.96	39.16
56	8	1245	0.25	39.41
57	9	1254	0.28	39.70
58	12	1266	0.38	40.08
59	15	1281	0.47	40.55
60	12	1293	0.38	40.93
61	23	1316	0.73	41.66
62	24	1340	0.76	42.42
63	15	1355	0.47	42.89
64	21	1376	0.66	43.56
65	21	1397	0.66	44.22
66	26	1423	0.82	45.05
67	19	1442	0.60	45.65
68	27	1469	0.85	46.50
69	43	1512	1.36	47.86
70	62	1574	1.96	49.83
71	35	1609	1.11	50.93
72	40	1649	1.27	52.20
73	79	1728	2.50	54.70
74	91	1819	2.88	57.58
75	107	1926	3.39	60.97
76	139	2065	4.40	65.37
77	802	2867	25.39	90.76
78	28	2895	0.89	91.64
79	53	2948	1.68	93.32
80	32	2980	1.01	94.33
81	18	2998	0.57	94.90
82	32	3030	1.01	95.92
83	16	3046	0.51	96.42
84	113	3159	3.58	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

STAAR ALTERNATE EOC SPRING 2013
GEOMETRY
ALL STUDENTS



RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	4	4	0.13	0.13
7	1	5	0.03	0.17
9	1	6	0.03	0.20
10	2	8	0.07	0.27
12	1	9	0.03	0.30
13	1	10	0.03	0.33
16	1	11	0.03	0.37
17	1	12	0.03	0.40
19	1	13	0.03	0.44
20	3	16	0.10	0.54
21	1	17	0.03	0.57
22	1	18	0.03	0.60
24	1	19	0.03	0.64
25	3	22	0.10	0.74
26	1	23	0.03	0.77
27	3	26	0.10	0.87
29	2	28	0.07	0.94
30	1	29	0.03	0.97
31	1	30	0.03	1.00
32	5	35	0.17	1.17
33	2	37	0.07	1.24
34	4	41	0.13	1.37
36	16	57	0.54	1.91
37	5	62	0.17	2.08
38	7	69	0.23	2.31
39	4	73	0.13	2.44
40	9	82	0.30	2.75
41	6	88	0.20	2.95
42	10	98	0.33	3.28
43	14	112	0.47	3.75
44	16	128	0.54	4.29
45	20	148	0.67	4.96
46	36	184	1.21	6.16
47	56	240	1.88	8.04
48	679	919	22.74	30.78
49	4	923	0.13	30.91
50	9	932	0.30	31.21
51	10	942	0.33	31.55
52	12	954	0.40	31.95
53	20	974	0.67	32.62
54	18	992	0.60	33.22
55	72	1064	2.41	35.63
56	8	1072	0.27	35.90
57	8	1080	0.27	36.17
58	9	1089	0.30	36.47
59	8	1097	0.27	36.74
60	15	1112	0.50	37.24
61	17	1129	0.57	37.81
62	31	1160	1.04	38.85
63	18	1178	0.60	39.45
64	16	1194	0.54	39.99
65	19	1213	0.64	40.62
66	19	1232	0.64	41.26
67	12	1244	0.40	41.66
68	26	1270	0.87	42.53
69	25	1295	0.84	43.37
70	51	1346	1.71	45.08
71	34	1380	1.14	46.22
72	26	1406	0.87	47.09
73	52	1458	1.74	48.83
74	56	1514	1.88	50.70
75	97	1611	3.25	53.95
76	122	1733	4.09	58.04
77	807	2540	27.03	85.06
78	44	2584	1.47	86.54
79	75	2659	2.51	89.05
80	53	2712	1.77	90.82
81	16	2728	0.54	91.36
82	62	2790	2.08	93.44
83	30	2820	1.00	94.44
84	166	2986	5.56	100.00

FREQUENCY DISTRIBUTION - RAW SCORES

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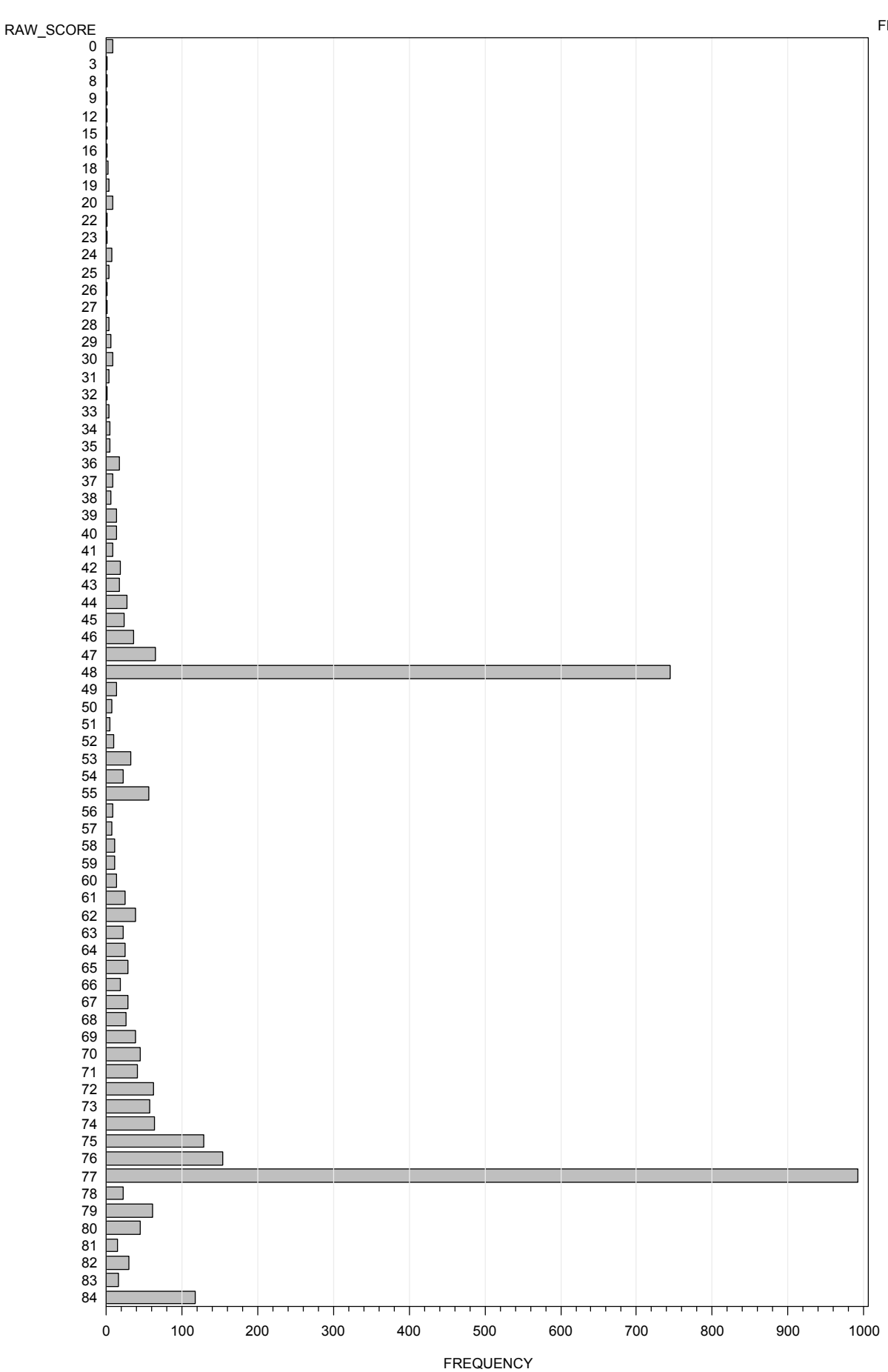

RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	9	9	0.27	0.27
3	1	10	0.03	0.30
8	1	11	0.03	0.33
9	1	12	0.03	0.36
12	1	13	0.03	0.39
15	1	14	0.03	0.42
16	1	15	0.03	0.45
18	2	17	0.06	0.50
19	3	20	0.09	0.59
20	8	28	0.24	0.83
22	1	29	0.03	0.86
23	1	30	0.03	0.89
24	7	37	0.21	1.10
25	3	40	0.09	1.19
26	1	41	0.03	1.22
27	1	42	0.03	1.25
28	3	45	0.09	1.34
29	6	51	0.18	1.51
30	8	59	0.24	1.75
31	3	62	0.09	1.84
32	1	63	0.03	1.87
33	4	67	0.12	1.99
34	5	72	0.15	2.14
35	5	77	0.15	2.28
36	17	94	0.50	2.79
37	9	103	0.27	3.06
38	6	109	0.18	3.23
39	13	122	0.39	3.62
40	13	135	0.39	4.01
41	8	143	0.24	4.24
42	18	161	0.53	4.78
43	17	178	0.50	5.28
44	27	205	0.80	6.08
45	23	228	0.68	6.77
46	36	264	1.07	7.83
47	65	329	1.93	9.76
48	744	1073	22.08	31.84
49	13	1086	0.39	32.23
50	7	1093	0.21	32.43
51	5	1098	0.15	32.58
52	10	1108	0.30	32.88
53	32	1140	0.95	33.83
54	22	1162	0.65	34.48
55	56	1218	1.66	36.14
56	8	1226	0.24	36.38
57	7	1233	0.21	36.59
58	11	1244	0.33	36.91
59	11	1255	0.33	37.24
60	14	1269	0.42	37.66
61	25	1294	0.74	38.40
62	38	1332	1.13	39.53
63	22	1354	0.65	40.18
64	25	1379	0.74	40.92
65	28	1407	0.83	41.75
66	19	1426	0.56	42.31
67	29	1455	0.86	43.18
68	26	1481	0.77	43.95
69	39	1520	1.16	45.10
70	45	1565	1.34	46.44
71	41	1606	1.22	47.66
72	62	1668	1.84	49.50
73	57	1725	1.69	51.19
74	63	1788	1.87	53.06
75	129	1917	3.83	56.88
76	154	2071	4.57	61.45
77	992	3063	29.44	90.89
78	22	3085	0.65	91.54
79	61	3146	1.81	93.35
80	45	3191	1.34	94.69
81	15	3206	0.45	95.13
82	30	3236	0.89	96.02
83	16	3252	0.47	96.50
84	118	3370	3.50	100.00

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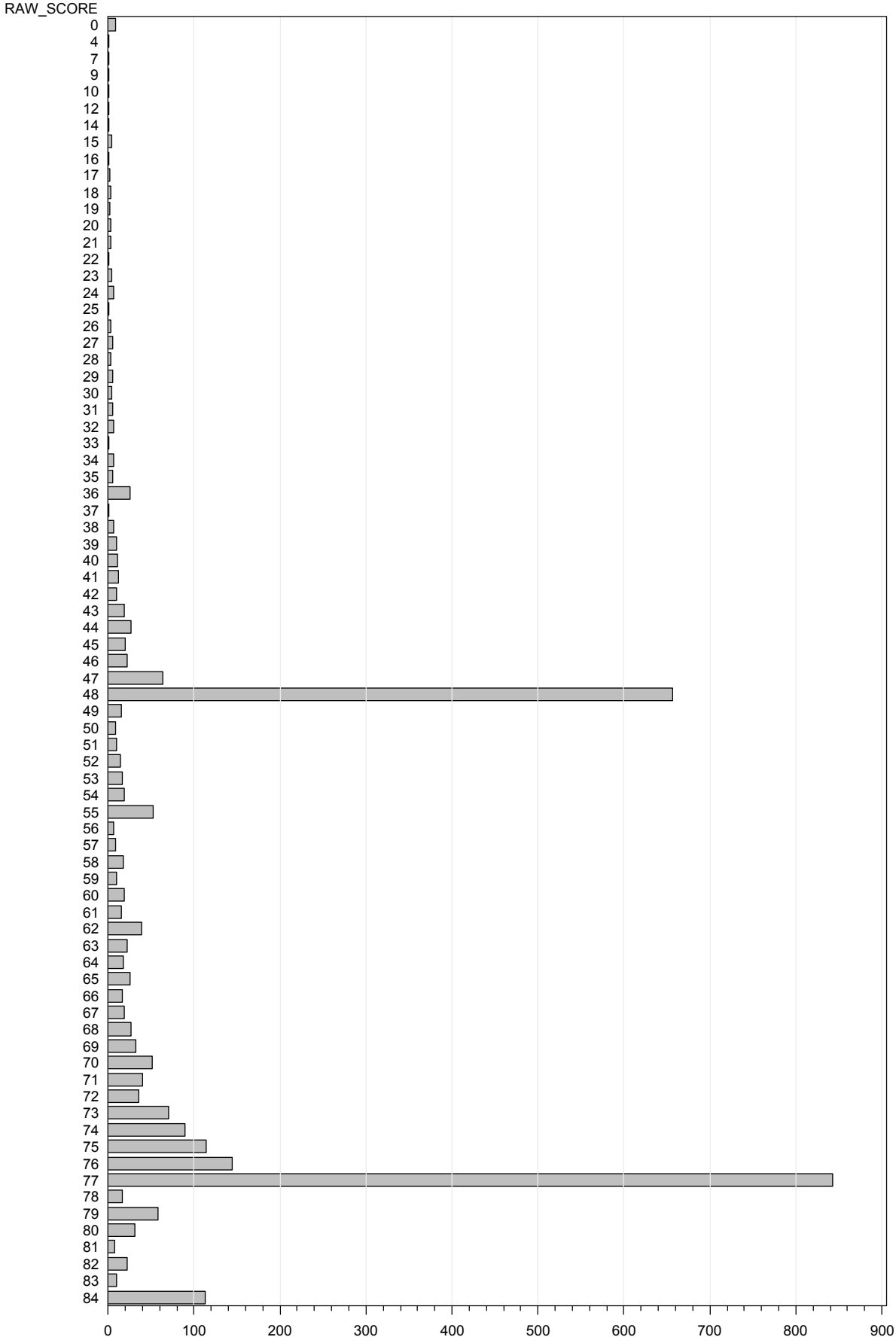

RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	9	9	0.30	0.30
4	1	10	0.03	0.33
7	1	11	0.03	0.36
9	1	12	0.03	0.40
10	1	13	0.03	0.43
12	1	14	0.03	0.46
14	1	15	0.03	0.49
15	4	19	0.13	0.63
16	1	20	0.03	0.66
17	2	22	0.07	0.72
18	3	25	0.10	0.82
19	2	27	0.07	0.89
20	3	30	0.10	0.99
21	3	33	0.10	1.09
22	1	34	0.03	1.12
23	4	38	0.13	1.25
24	6	44	0.20	1.45
25	1	45	0.03	1.48
26	3	48	0.10	1.58
27	5	53	0.16	1.75
28	3	56	0.10	1.84
29	5	61	0.16	2.01
30	4	65	0.13	2.14
31	5	70	0.16	2.31
32	6	76	0.20	2.50
33	1	77	0.03	2.54
34	6	83	0.20	2.73
35	5	88	0.16	2.90
36	26	114	0.86	3.75
37	1	115	0.03	3.79
38	6	121	0.20	3.99
39	10	131	0.33	4.31
40	11	142	0.36	4.68
41	12	154	0.40	5.07
42	10	164	0.33	5.40
43	19	183	0.63	6.03
44	27	210	0.89	6.92
45	20	230	0.66	7.58
46	22	252	0.72	8.30
47	64	316	2.11	10.41
48	657	973	21.64	32.05
49	15	988	0.49	32.54
50	9	997	0.30	32.84
51	10	1007	0.33	33.17
52	14	1021	0.46	33.63
53	17	1038	0.56	34.19
54	19	1057	0.63	34.82
55	53	1110	1.75	36.56
56	7	1117	0.23	36.79
57	9	1126	0.30	37.09
58	18	1144	0.59	37.68
59	10	1154	0.33	38.01
60	19	1173	0.63	38.64
61	16	1189	0.53	39.16
62	39	1228	1.28	40.45
63	22	1250	0.72	41.17
64	18	1268	0.59	41.77
65	26	1294	0.86	42.62
66	17	1311	0.56	43.18
67	19	1330	0.63	43.81
68	27	1357	0.89	44.70
69	32	1389	1.05	45.75
70	51	1440	1.68	47.43
71	40	1480	1.32	48.75
72	36	1516	1.19	49.93
73	70	1586	2.31	52.24
74	90	1676	2.96	55.20
75	114	1790	3.75	58.96
76	144	1934	4.74	63.70
77	843	2777	27.77	91.47
78	17	2794	0.56	92.03
79	58	2852	1.91	93.94
80	31	2883	1.02	94.96
81	8	2891	0.26	95.22
82	22	2913	0.72	95.95
83	10	2923	0.33	96.28
84	113	3036	3.72	100.00

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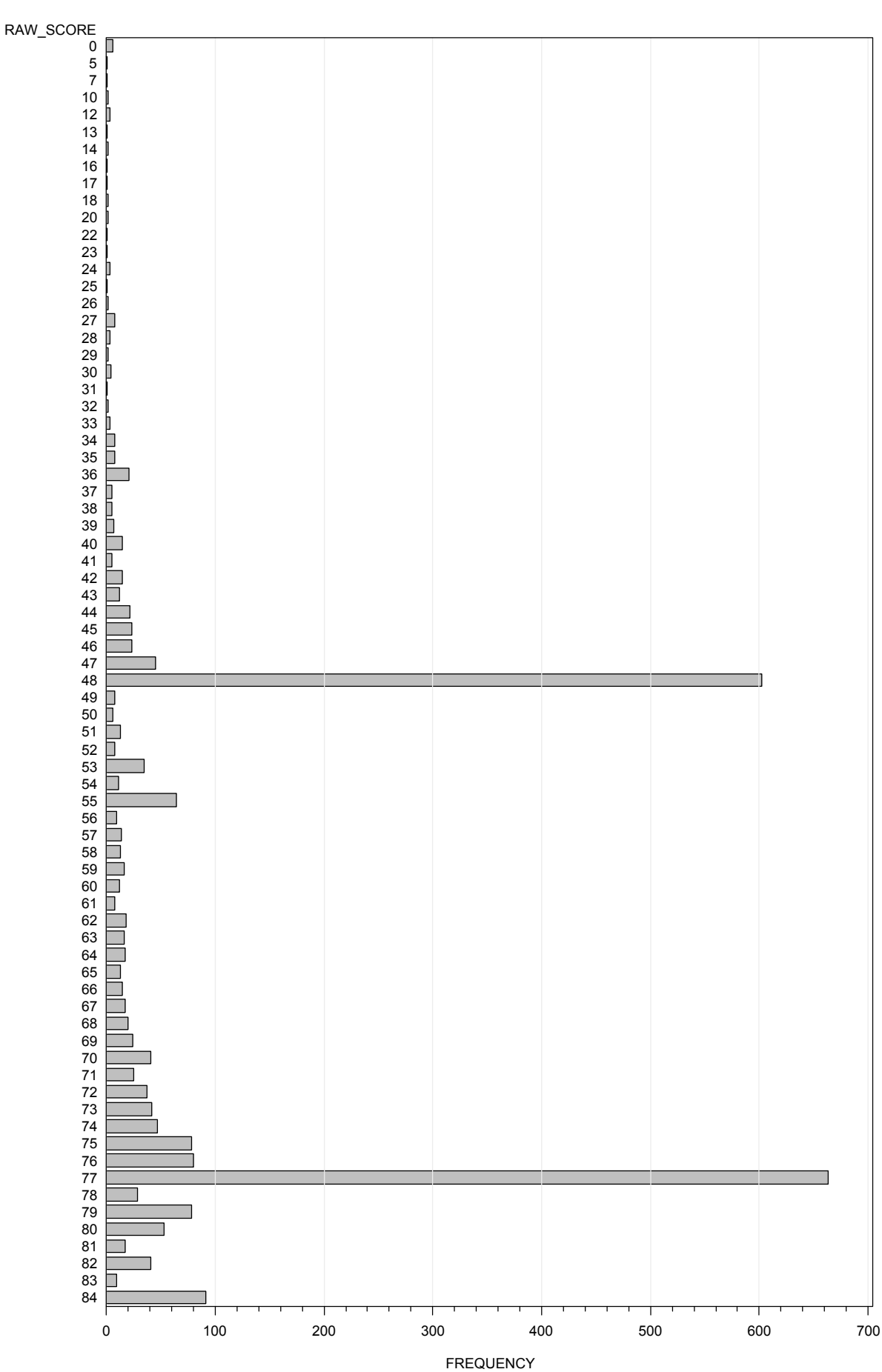

RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	6	6	0.23	0.23
5	1	7	0.04	0.27
7	1	8	0.04	0.31
10	2	10	0.08	0.39
12	3	13	0.12	0.51
13	1	14	0.04	0.55
14	2	16	0.08	0.63
16	1	17	0.04	0.66
17	1	18	0.04	0.70
18	2	20	0.08	0.78
20	2	22	0.08	0.86
22	1	23	0.04	0.90
23	1	24	0.04	0.94
24	3	27	0.12	1.06
25	1	28	0.04	1.10
26	2	30	0.08	1.17
27	8	38	0.31	1.49
28	3	41	0.12	1.60
29	2	43	0.08	1.68
30	4	47	0.16	1.84
31	1	48	0.04	1.88
32	2	50	0.08	1.96
33	3	53	0.12	2.07
34	8	61	0.31	2.39
35	8	69	0.31	2.70
36	21	90	0.82	3.52
37	5	95	0.20	3.72
38	5	100	0.20	3.91
39	7	107	0.27	4.18
40	15	122	0.59	4.77
41	5	127	0.20	4.97
42	15	142	0.59	5.55
43	12	154	0.47	6.02
44	22	176	0.86	6.88
45	23	199	0.90	7.78
46	23	222	0.90	8.68
47	45	267	1.76	10.44
48	602	869	23.54	33.99
49	8	877	0.31	34.30
50	6	883	0.23	34.53
51	13	896	0.51	35.04
52	8	904	0.31	35.35
53	35	939	1.37	36.72
54	11	950	0.43	37.15
55	64	1014	2.50	39.66
56	9	1023	0.35	40.01
57	14	1037	0.55	40.56
58	13	1050	0.51	41.06
59	16	1066	0.63	41.69
60	12	1078	0.47	42.16
61	8	1086	0.31	42.47
62	18	1104	0.70	43.18
63	16	1120	0.63	43.80
64	17	1137	0.66	44.47
65	13	1150	0.51	44.97
66	15	1165	0.59	45.56
67	17	1182	0.66	46.23
68	20	1202	0.78	47.01
69	24	1226	0.94	47.95
70	41	1267	1.60	49.55
71	25	1292	0.98	50.53
72	37	1329	1.45	51.97
73	42	1371	1.64	53.62
74	47	1418	1.84	55.46
75	78	1496	3.05	58.51
76	80	1576	3.13	61.63
77	663	2239	25.93	87.56
78	29	2268	1.13	88.70
79	78	2346	3.05	91.75
80	53	2399	2.07	93.82
81	17	2416	0.66	94.49
82	41	2457	1.60	96.09
83	9	2466	0.35	96.44
84	91	2557	3.56	100.00

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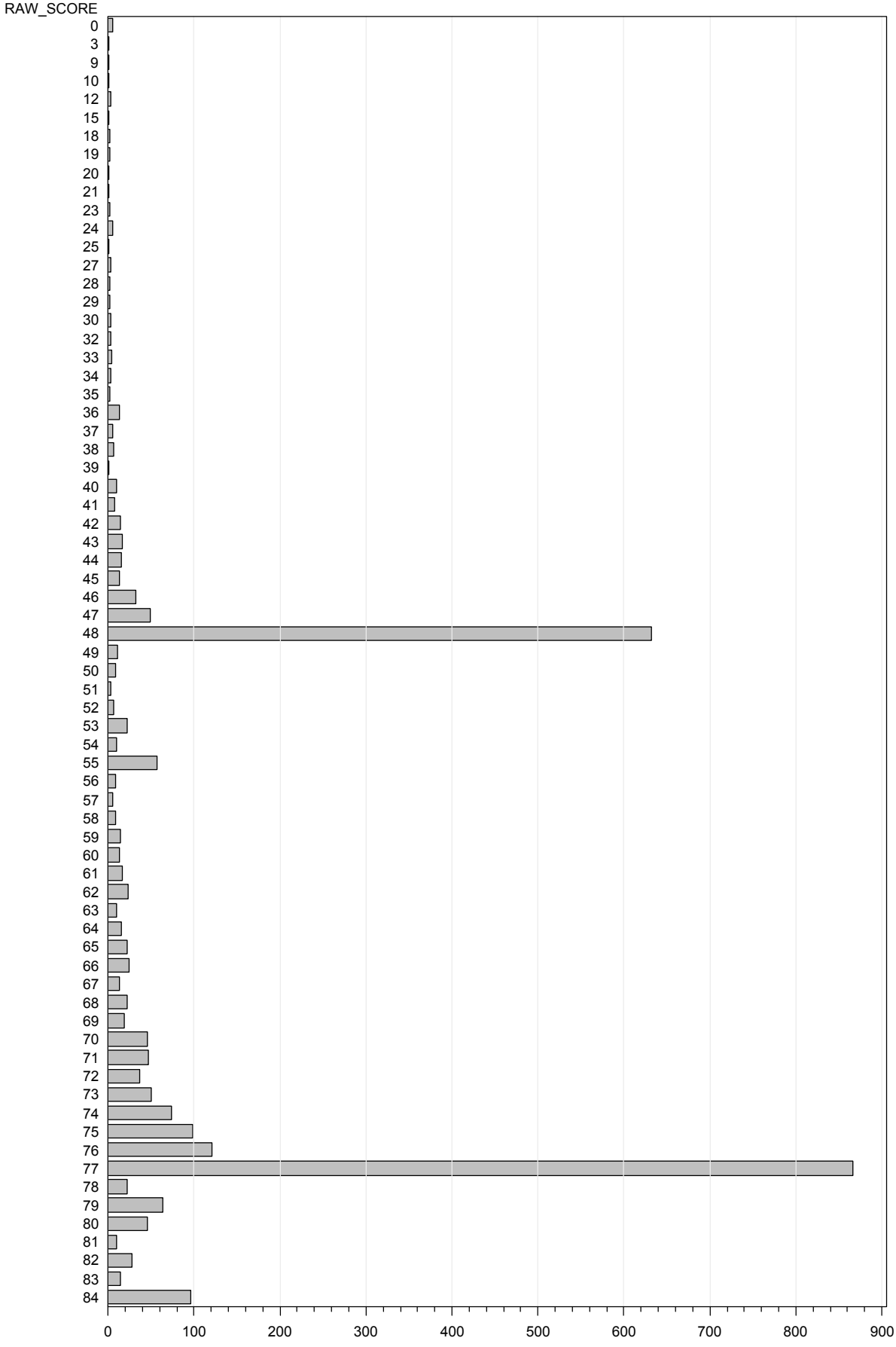

RAW_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
0	5	5	0.18	0.18
3	1	6	0.04	0.21
9	1	7	0.04	0.25
10	1	8	0.04	0.28
12	3	11	0.11	0.39
15	1	12	0.04	0.43
18	2	14	0.07	0.50
19	2	16	0.07	0.57
20	1	17	0.04	0.60
21	1	18	0.04	0.64
23	2	20	0.07	0.71
24	5	25	0.18	0.89
25	1	26	0.04	0.92
27	3	29	0.11	1.03
28	2	31	0.07	1.10
29	2	33	0.07	1.17
30	3	36	0.11	1.28
32	3	39	0.11	1.38
33	4	43	0.14	1.53
34	3	46	0.11	1.63
35	2	48	0.07	1.70
36	13	61	0.46	2.17
37	5	66	0.18	2.34
38	6	72	0.21	2.56
39	1	73	0.04	2.59
40	10	83	0.35	2.95
41	8	91	0.28	3.23
42	14	105	0.50	3.73
43	17	122	0.60	4.33
44	16	138	0.57	4.90
45	13	151	0.46	5.36
46	32	183	1.14	6.50
47	49	232	1.74	8.24
48	632	864	22.44	30.67
49	11	875	0.39	31.06
50	9	884	0.32	31.38
51	3	887	0.11	31.49
52	7	894	0.25	31.74
53	22	916	0.78	32.52
54	10	926	0.35	32.87
55	57	983	2.02	34.90
56	9	992	0.32	35.21
57	5	997	0.18	35.39
58	9	1006	0.32	35.71
59	14	1020	0.50	36.21
60	13	1033	0.46	36.67
61	17	1050	0.60	37.27
62	23	1073	0.82	38.09
63	10	1083	0.35	38.45
64	15	1098	0.53	38.98
65	22	1120	0.78	39.76
66	24	1144	0.85	40.61
67	13	1157	0.46	41.07
68	22	1179	0.78	41.85
69	19	1198	0.67	42.53
70	46	1244	1.63	44.16
71	47	1291	1.67	45.83
72	37	1328	1.31	47.14
73	50	1378	1.77	48.92
74	74	1452	2.63	51.54
75	98	1550	3.48	55.02
76	121	1671	4.30	59.32
77	866	2537	30.74	90.06
78	22	2559	0.78	90.84
79	64	2623	2.27	93.11
80	46	2669	1.63	94.75
81	10	2679	0.35	95.10
82	28	2707	0.99	96.10
83	14	2721	0.50	96.59
84	96	2817	3.41	100.00