STAAR Alternate 2
2015 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 2 2015 Score Distributions and Statistics by Content Area and Grade") of Appendix C. Definition of statistical terms and concepts in the other sections are given in chapter 3 or chapter 4.

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 percentiles) 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.

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

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.

Scale Score Descriptive Statistics for 2015 STAAR Alternate 2 3–8 Assessments

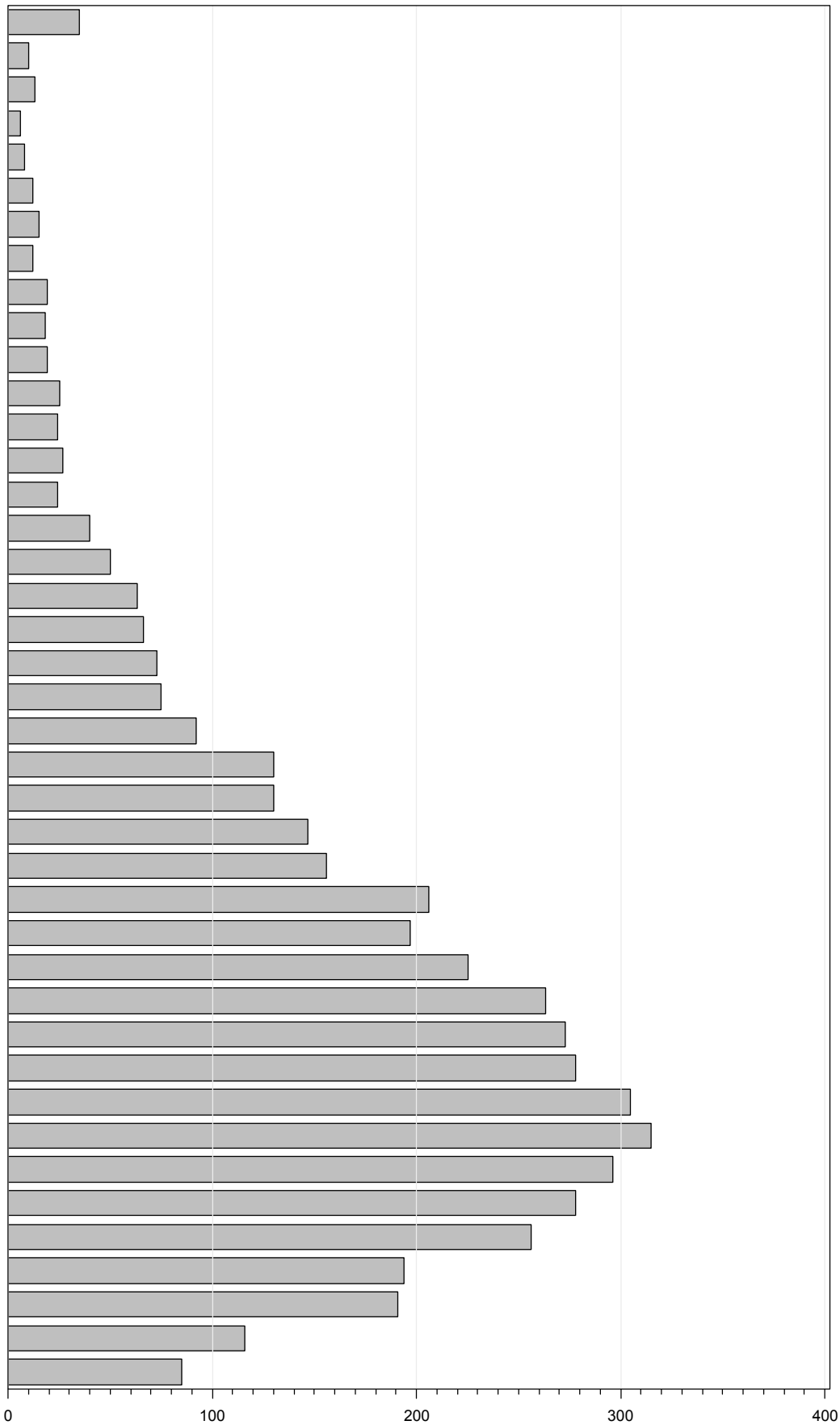
Subject	N	Mean	Median	Mode	Range	Interquartile Range	SD	Variance	Skewness	Kurtosis
GRADE 3 MATHEMATICS	4767	342.16	341	359	379	50	50.15	2514.56	-0.5118	3.7145
GRADE 4 MATHEMATICS	4600	346.50	348	355	376	59	50.09	2508.82	-0.3155	3.0621
GRADE 5 MATHEMATICS	4620	343.10	342	379	373	52	50.15	2515.08	-0.3064	2.8640
GRADE 6 MATHEMATICS	4304	343.25	341	359	407	46	49.93	2493.38	-0.3721	3.6358
GRADE 7 MATHEMATICS	4084	340.20	340	340	398	47	49.94	2494.22	-0.9328	5.0925
GRADE 8 MATHEMATICS	4037	330.37	330	342	390	51	49.55	2455.17	-0.5430	3.6673
GRADE 3 READING	4769	332.34	333	360	375	51	49.99	2498.91	-0.4608	3.4910
GRADE 4 READING	4596	334.82	339	372	383	52	49.89	2489.18	-0.4448	2.9846
GRADE 5 READING	4618	331.50	333	339	395	49	49.17	2417.36	-0.4294	3.9104
GRADE 6 READING	4305	331.17	332	345	382	56	49.68	2467.62	-0.5390	3.2152
GRADE 7 READING	4081	329.88	332	345	385	42	49.02	2402.74	-0.8208	4.2962
GRADE 8 READING	4039	333.49	336	343	374	48	49.76	2475.58	-0.4921	3.4746
GRADE 4 WRITING	4596	325.56	330	336	403	43	49.07	2408.09	-0.7450	4.4275
GRADE 7 WRITING	4078	323.99	325	351	381	46	48.77	2378.61	-0.9897	4.6084
GRADE 5 SCIENCE	4623	352.61	354	368	396	52	49.96	2496.26	-0.5142	3.5627
GRADE 8 SCIENCE	4037	354.11	353	365	354	53	49.94	2493.55	-0.2321	2.5221
GRADE 8 SOCIAL STUDIES	4038	340.62	340	347	375	58	49.97	2496.85	-0.5571	3.6757

Scale Score Descriptive Statistics for 2015 STAAR Alternate 2 EOC Assessments

Subject	N	Mean	Median	Mode	Range	Interquartile Range	SD	Variance	Skewness	Kurtosis
ALGEBRA I	3584	332.25	335	354	397	45	49.39	2438.90	-0.8111	4.7094
ENGLISH I	3575	338.70	339	345	392	54	49.48	2448.31	-0.3969	3.9115
ENGLISH II	3329	337.93	340	359	405	52	49.44	2444.57	-0.8718	4.4934
BIOLOGY	3454	351.45	349	383	342	63	49.81	2480.73	-0.2602	2.0267
U.S. HISTORY	3009	338.21	338	359	366	55	49.66	2465.66	-0.5619	3.7947

FREQUENCY DISTRIBUTION - SCALE SCORES

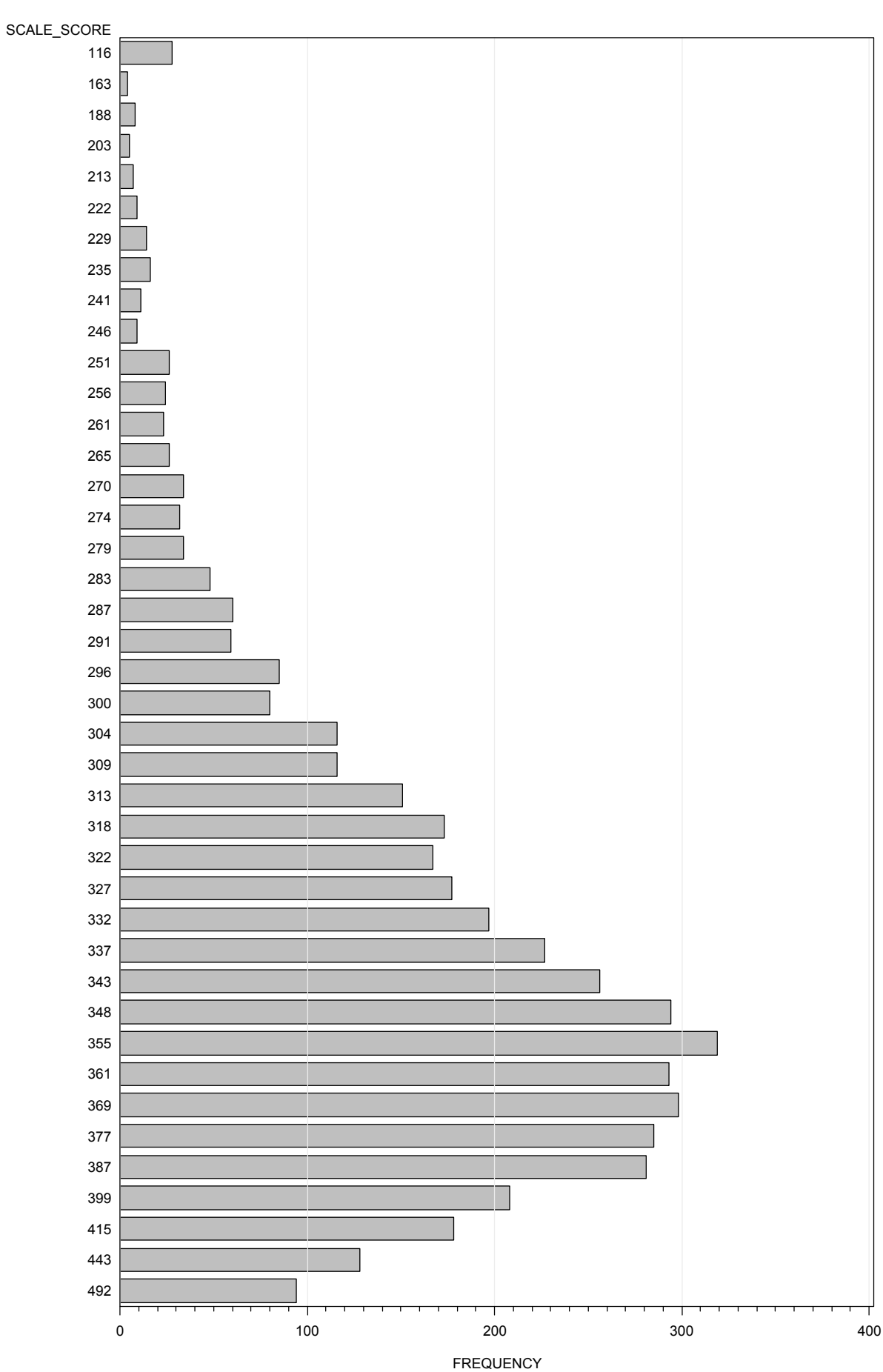
STAAR ALTERNATE 2 SPRING 2015
GRADE 3 MATHEMATICS
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
111	35	35	0.73	0.73
159	10	45	0.21	0.94
186	13	58	0.27	1.22
201	6	64	0.13	1.34
212	8	72	0.17	1.51
221	12	84	0.25	1.76
229	15	99	0.31	2.08
236	12	111	0.25	2.33
242	19	130	0.40	2.73
247	18	148	0.38	3.10
252	19	167	0.40	3.50
257	25	192	0.52	4.03
262	24	216	0.50	4.53
267	27	243	0.57	5.10
271	24	267	0.50	5.60
275	40	307	0.84	6.44
280	50	357	1.05	7.49
284	63	420	1.32	8.81
288	66	486	1.38	10.20
292	73	559	1.53	11.73
296	75	634	1.57	13.30
300	92	726	1.93	15.23
304	130	856	2.73	17.96
308	130	986	2.73	20.68
313	147	1133	3.08	23.77
317	156	1289	3.27	27.04
321	206	1495	4.32	31.36
326	197	1692	4.13	35.49
331	225	1917	4.72	40.21
336	263	2180	5.52	45.73
341	273	2453	5.73	51.46
347	278	2731	5.83	57.29
353	305	3036	6.40	63.69
359	315	3351	6.61	70.30
367	296	3647	6.21	76.51
375	278	3925	5.83	82.34
384	256	4181	5.37	87.71
396	194	4375	4.07	91.78
413	191	4566	4.01	95.78
440	116	4682	2.43	98.22
490	85	4767	1.78	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

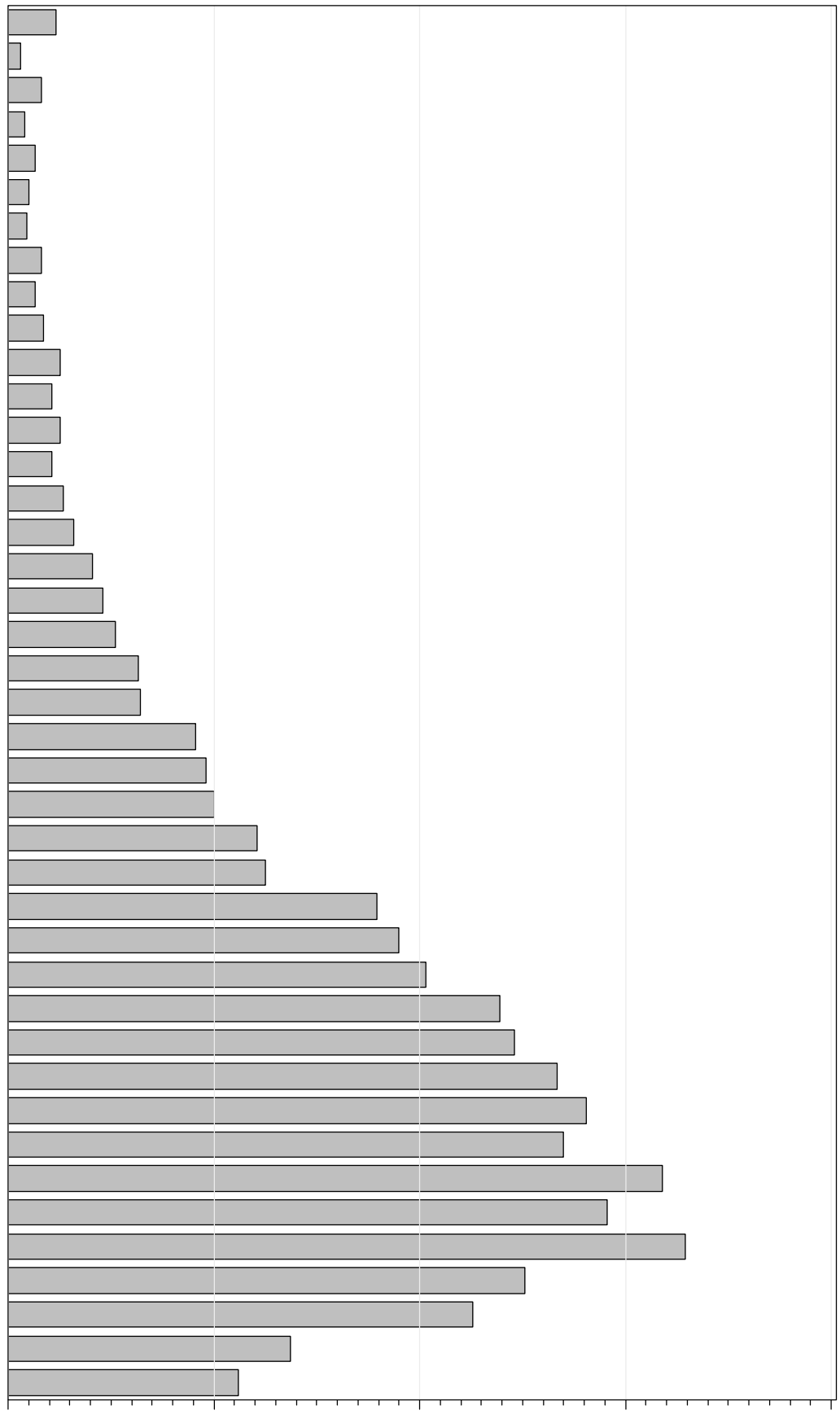
STAAR ALTERNATE 2 SPRING 2015
GRADE 4 MATHEMATICS
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
116	28	28	0.61	0.61
163	4	32	0.09	0.70
188	8	40	0.17	0.87
203	5	45	0.11	0.98
213	7	52	0.15	1.13
222	9	61	0.20	1.33
229	14	75	0.30	1.63
235	16	91	0.35	1.98
241	11	102	0.24	2.22
246	9	111	0.20	2.41
251	26	137	0.57	2.98
256	24	161	0.52	3.50
261	23	184	0.50	4.00
265	26	210	0.57	4.57
270	34	244	0.74	5.30
274	32	276	0.70	6.00
279	34	310	0.74	6.74
283	48	358	1.04	7.78
287	60	418	1.30	9.09
291	59	477	1.28	10.37
296	85	562	1.85	12.22
300	80	642	1.74	13.96
304	116	758	2.52	16.48
309	116	874	2.52	19.00
313	151	1025	3.28	22.28
318	173	1198	3.76	26.04
322	167	1365	3.63	29.67
327	177	1542	3.85	33.52
332	197	1739	4.28	37.80
337	227	1966	4.93	42.74
343	256	2222	5.57	48.30
348	294	2516	6.39	54.70
355	319	2835	6.93	61.63
361	293	3128	6.37	68.00
369	298	3426	6.48	74.48
377	285	3711	6.20	80.67
387	281	3992	6.11	86.78
399	208	4200	4.52	91.30
415	178	4378	3.87	95.17
443	128	4506	2.78	97.96
492	94	4600	2.04	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

STAAR ALTERNATE 2 SPRING 2015
GRADE 5 MATHEMATICS
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
111	23	23	0.50	0.50
159	6	29	0.13	0.63
185	16	45	0.35	0.97
200	8	53	0.17	1.15
211	13	66	0.28	1.43
220	10	76	0.22	1.65
227	9	85	0.19	1.84
233	16	101	0.35	2.19
239	13	114	0.28	2.47
245	17	131	0.37	2.84
250	25	156	0.54	3.38
254	21	177	0.45	3.83
259	25	202	0.54	4.37
263	21	223	0.45	4.83
268	27	250	0.58	5.41
272	32	282	0.69	6.10
276	41	323	0.89	6.99
280	46	369	1.00	7.99
284	52	421	1.13	9.11
288	63	484	1.36	10.48
292	64	548	1.39	11.86
296	91	639	1.97	13.83
300	96	735	2.08	15.91
304	100	835	2.16	18.07
308	121	956	2.62	20.69
313	125	1081	2.71	23.40
317	179	1260	3.87	27.27
322	190	1450	4.11	31.39
326	203	1653	4.39	35.78
331	239	1892	5.17	40.95
337	246	2138	5.32	46.28
342	267	2405	5.78	52.06
348	281	2686	6.08	58.14
354	270	2956	5.84	63.98
361	318	3274	6.88	70.87
369	291	3565	6.30	77.16
379	329	3894	7.12	84.29
390	251	4145	5.43	89.72
407	226	4371	4.89	94.61
434	137	4508	2.97	97.58
484	112	4620	2.42	100.00

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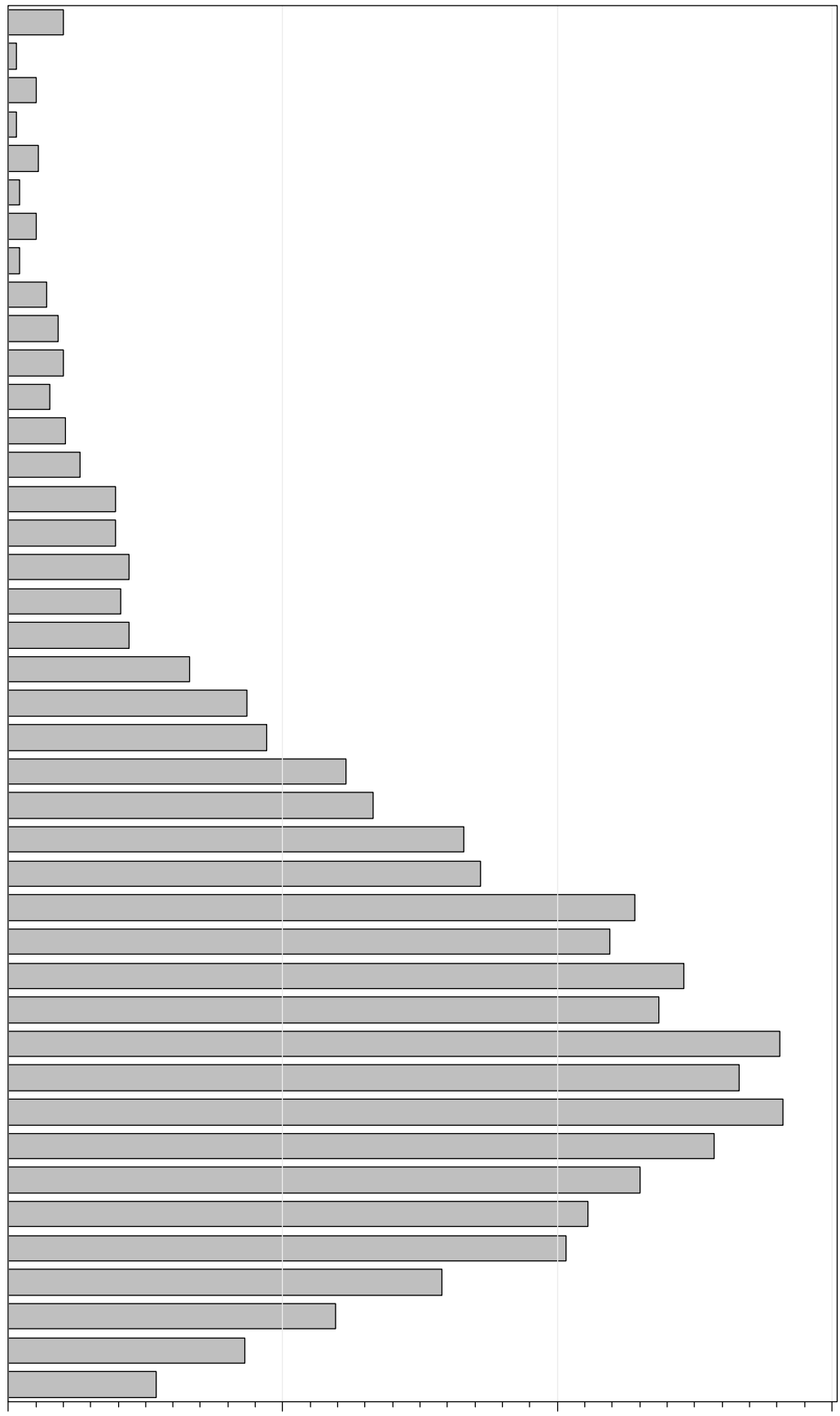
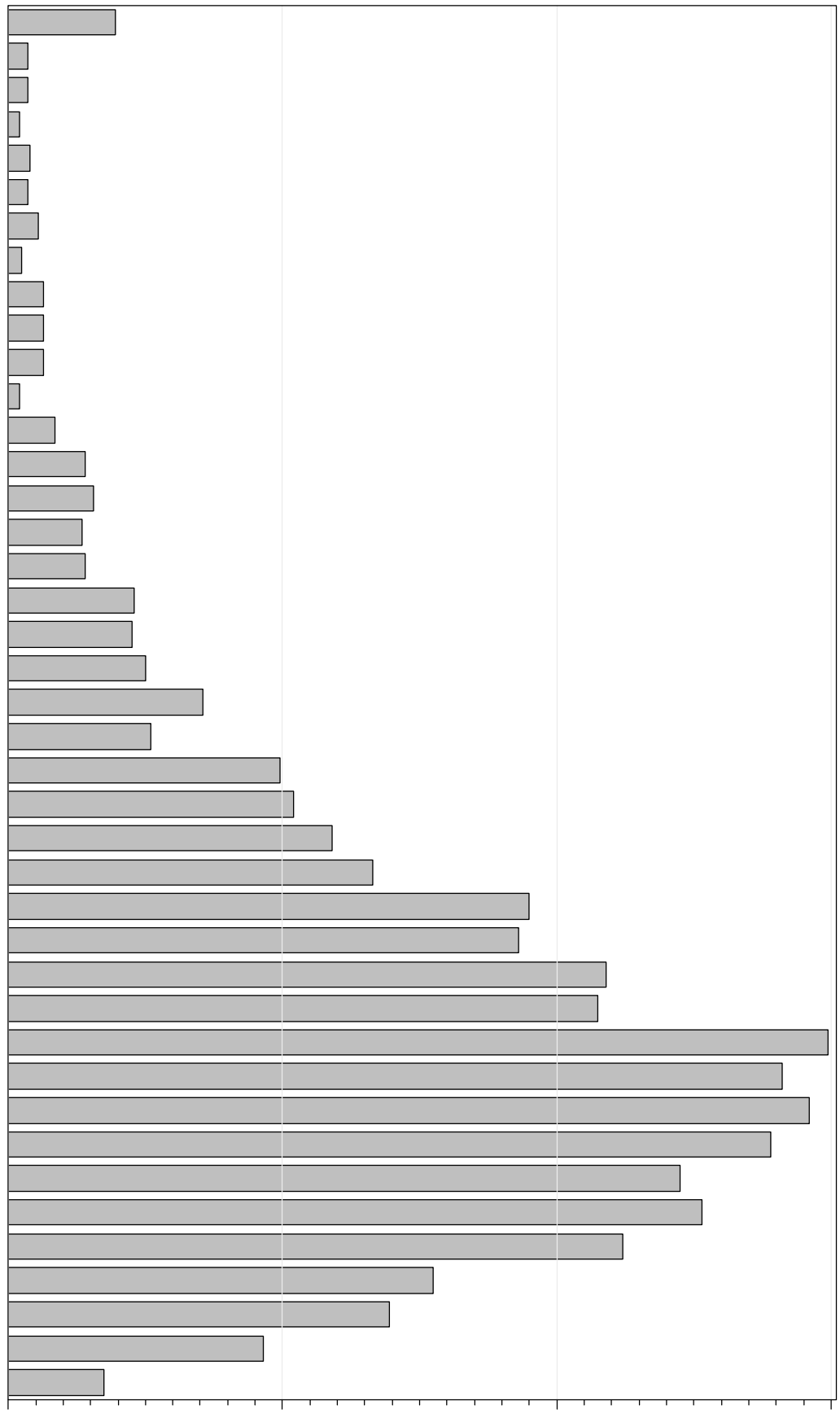
STAAR ALTERNATE 2 SPRING 2015
GRADE 6 MATHEMATICS
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
100	20	20	0.46	0.46
140	3	23	0.07	0.53
166	10	33	0.23	0.77
182	3	36	0.07	0.84
194	11	47	0.26	1.09
203	4	51	0.09	1.18
212	10	61	0.23	1.42
219	4	65	0.09	1.51
226	14	79	0.33	1.84
233	18	97	0.42	2.25
239	20	117	0.46	2.72
245	15	132	0.35	3.07
251	21	153	0.49	3.55
257	26	179	0.60	4.16
263	39	218	0.91	5.07
268	39	257	0.91	5.97
274	44	301	1.02	6.99
279	41	342	0.95	7.95
285	44	386	1.02	8.97
290	66	452	1.53	10.50
295	87	539	2.02	12.52
300	94	633	2.18	14.71
305	123	756	2.86	17.57
310	133	889	3.09	20.66
315	166	1055	3.86	24.51
320	172	1227	4.00	28.51
325	228	1455	5.30	33.81
330	219	1674	5.09	38.89
336	246	1920	5.72	44.61
341	237	2157	5.51	50.12
347	281	2438	6.53	56.64
353	266	2704	6.18	62.83
359	282	2986	6.55	69.38
366	257	3243	5.97	75.35
373	230	3473	5.34	80.69
382	211	3684	4.90	85.59
392	203	3887	4.72	90.31
405	158	4045	3.67	93.98
423	119	4164	2.76	96.75
453	86	4250	2.00	98.75
507	54	4304	1.25	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

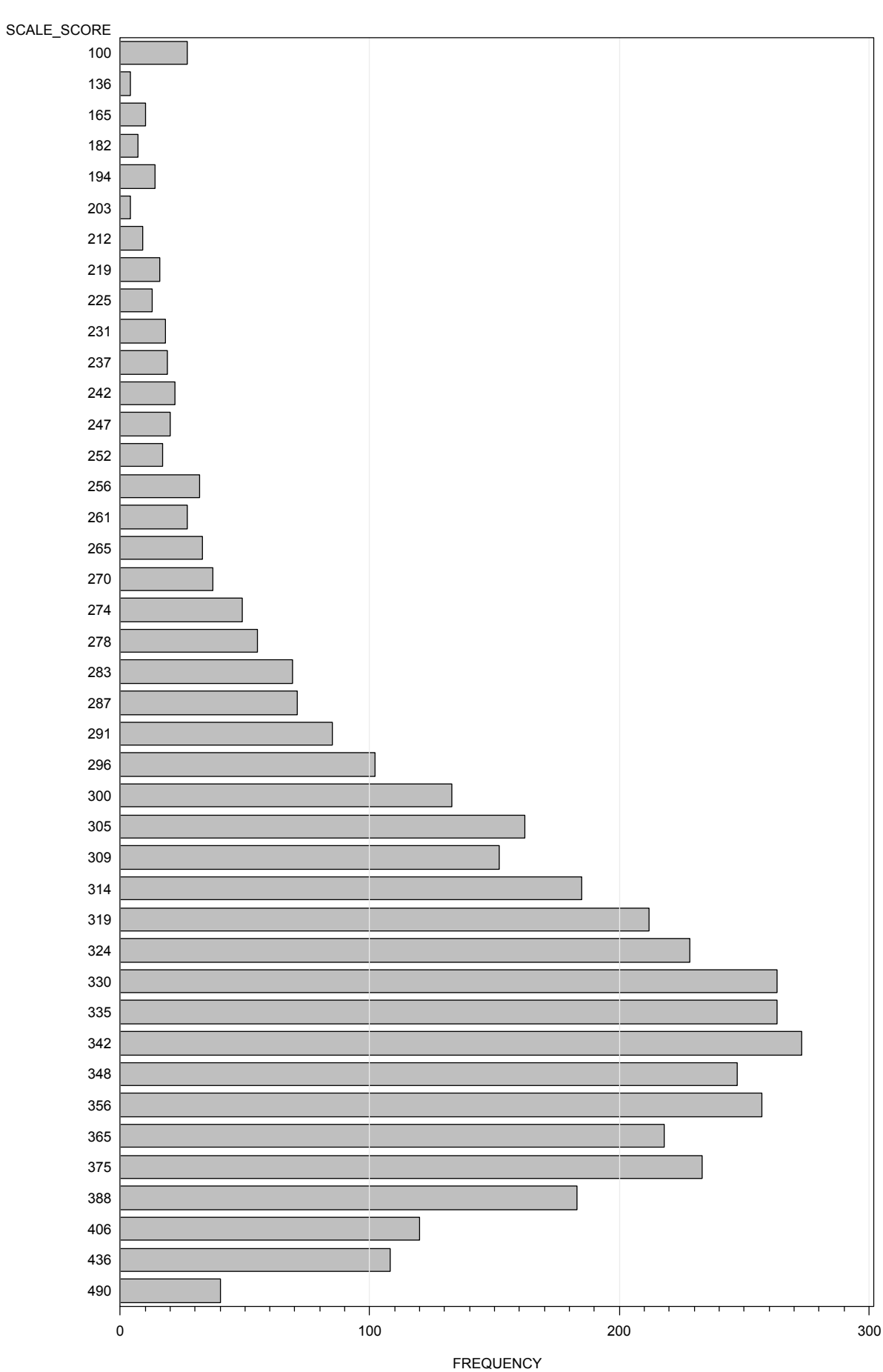
STAAR ALTERNATE 2 SPRING 2015
GRADE 7 MATHEMATICS
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
101	39	39	0.95	0.95
150	7	46	0.17	1.13
177	7	53	0.17	1.30
192	4	57	0.10	1.40
203	8	65	0.20	1.59
212	7	72	0.17	1.76
220	11	83	0.27	2.03
226	5	88	0.12	2.15
233	13	101	0.32	2.47
238	13	114	0.32	2.79
244	13	127	0.32	3.11
249	4	131	0.10	3.21
254	17	148	0.42	3.62
259	28	176	0.69	4.31
263	31	207	0.76	5.07
268	27	234	0.66	5.73
273	28	262	0.69	6.42
277	46	308	1.13	7.54
282	45	353	1.10	8.64
286	50	403	1.22	9.87
291	71	474	1.74	11.61
295	52	526	1.27	12.88
300	99	625	2.42	15.30
305	104	729	2.55	17.85
309	118	847	2.89	20.74
314	133	980	3.26	24.00
319	190	1170	4.65	28.65
324	186	1356	4.55	33.20
329	218	1574	5.34	38.54
334	215	1789	5.26	43.81
340	299	2088	7.32	51.13
346	282	2370	6.90	58.03
352	292	2662	7.15	65.18
359	278	2940	6.81	71.99
366	245	3185	6.00	77.99
375	253	3438	6.19	84.18
385	224	3662	5.48	89.67
398	155	3817	3.80	93.46
416	139	3956	3.40	96.87
446	93	4049	2.28	99.14
499	35	4084	0.86	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

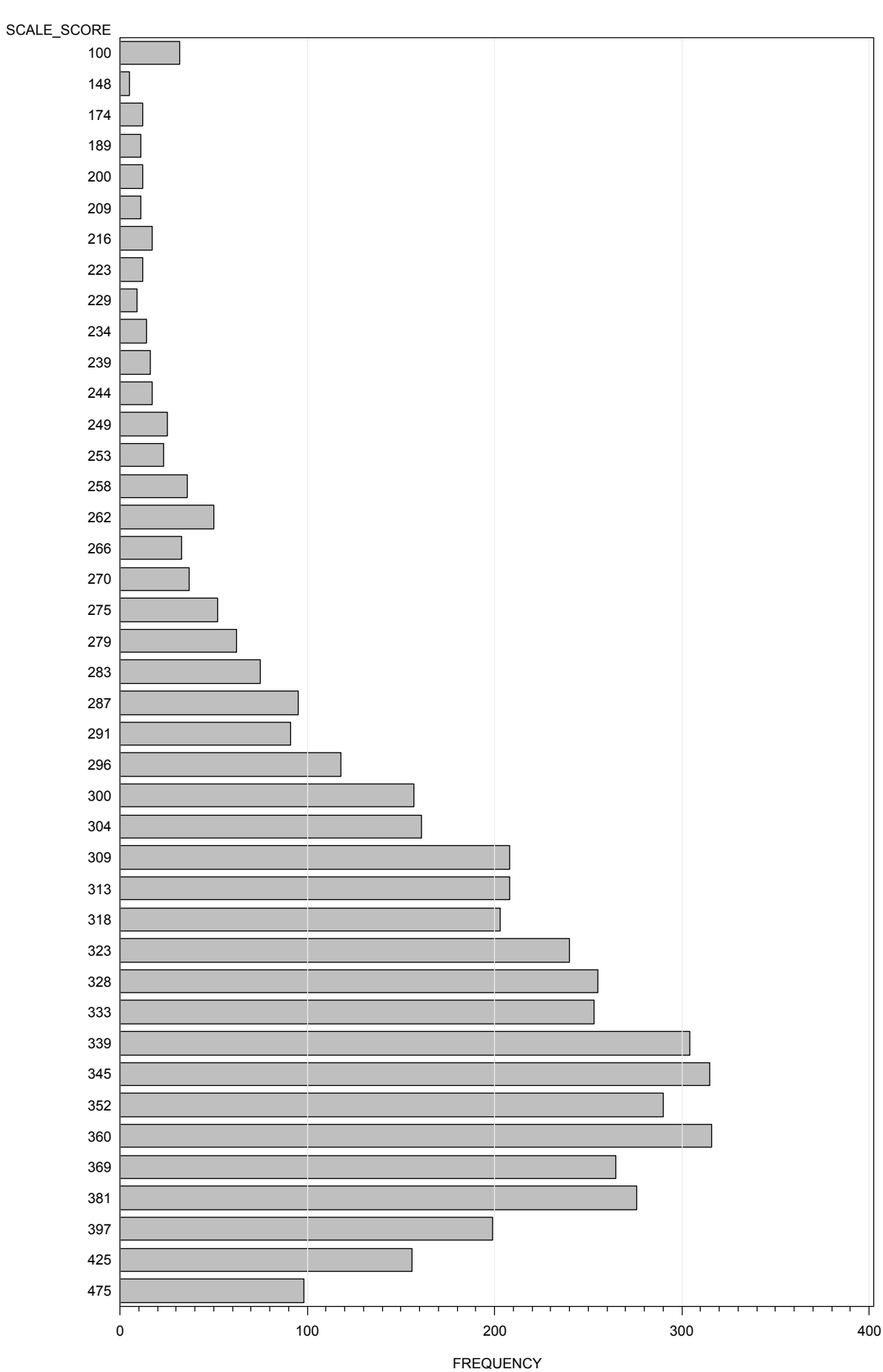
STAAR ALTERNATE 2 SPRING 2015
GRADE 8 MATHEMATICS
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
100	27	27	0.67	0.67
136	4	31	0.10	0.77
165	10	41	0.25	1.02
182	7	48	0.17	1.19
194	14	62	0.35	1.54
203	4	66	0.10	1.63
212	9	75	0.22	1.86
219	16	91	0.40	2.25
225	13	104	0.32	2.58
231	18	122	0.45	3.02
237	19	141	0.47	3.49
242	22	163	0.54	4.04
247	20	183	0.50	4.53
252	17	200	0.42	4.95
256	32	232	0.79	5.75
261	27	259	0.67	6.42
265	33	292	0.82	7.23
270	37	329	0.92	8.15
274	49	378	1.21	9.36
278	55	433	1.36	10.73
283	69	502	1.71	12.43
287	71	573	1.76	14.19
291	85	658	2.11	16.30
296	102	760	2.53	18.83
300	133	893	3.29	22.12
305	162	1055	4.01	26.13
309	152	1207	3.77	29.90
314	185	1392	4.58	34.48
319	212	1604	5.25	39.73
324	228	1832	5.65	45.38
330	263	2095	6.51	51.89
335	263	2358	6.51	58.41
342	273	2631	6.76	65.17
348	247	2878	6.12	71.29
356	257	3135	6.37	77.66
365	218	3353	5.40	83.06
375	233	3586	5.77	88.83
388	183	3769	4.53	93.36
406	120	3889	2.97	96.33
436	108	3997	2.68	99.01
490	40	4037	0.99	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

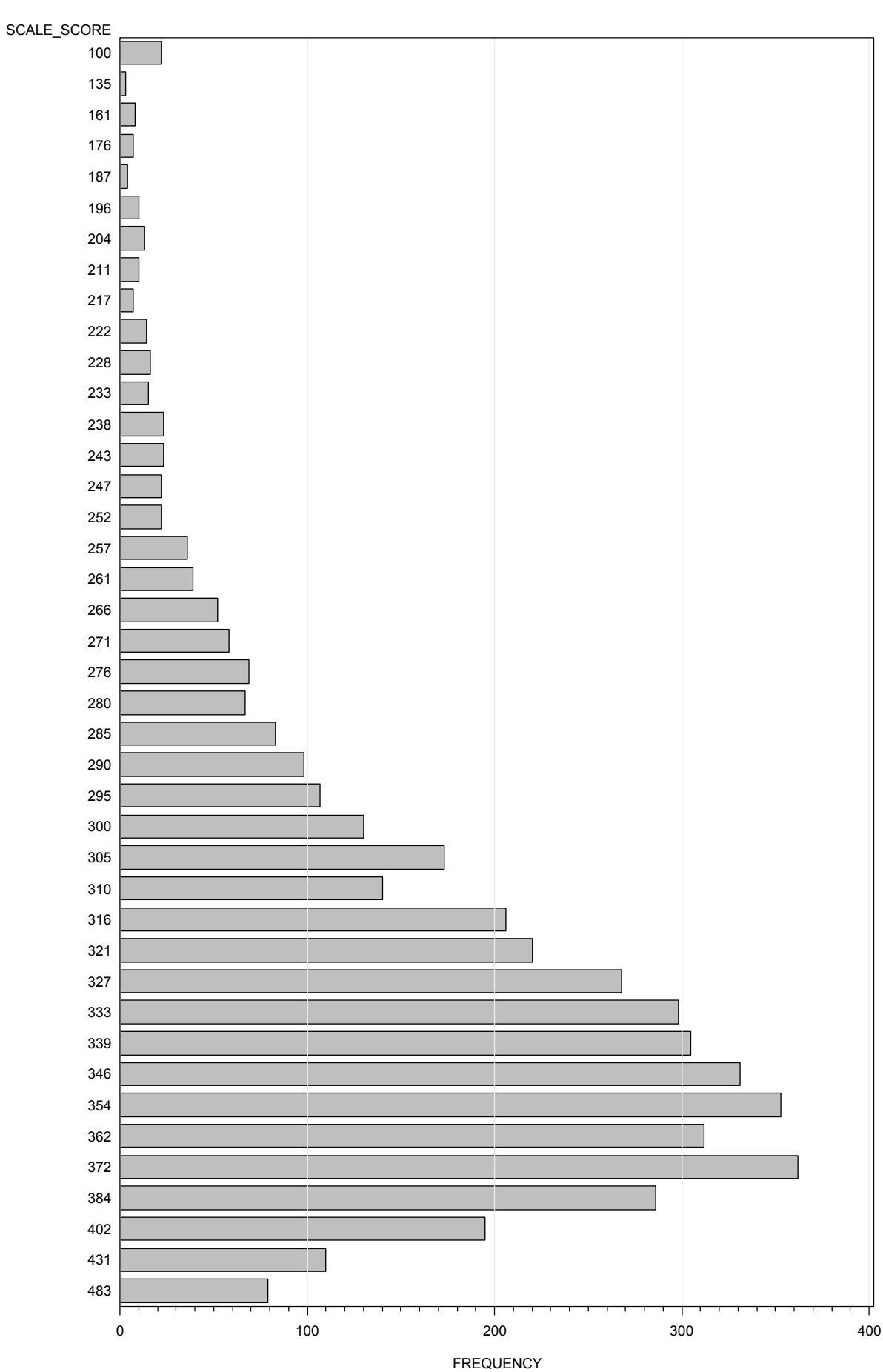
STAAR ALTERNATE 2 SPRING 2015
GRADE 3 READING
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
100	32	32	0.67	0.67
148	5	37	0.10	0.78
174	12	49	0.25	1.03
189	11	60	0.23	1.26
200	12	72	0.25	1.51
209	11	83	0.23	1.74
216	17	100	0.36	2.10
223	12	112	0.25	2.35
229	9	121	0.19	2.54
234	14	135	0.29	2.83
239	16	151	0.34	3.17
244	17	168	0.36	3.52
249	25	193	0.52	4.05
253	23	216	0.48	4.53
258	36	252	0.75	5.28
262	50	302	1.05	6.33
266	33	335	0.69	7.02
270	37	372	0.78	7.80
275	52	424	1.09	8.89
279	62	486	1.30	10.19
283	75	561	1.57	11.76
287	95	656	1.99	13.76
291	91	747	1.91	15.66
296	118	865	2.47	18.14
300	157	1022	3.29	21.43
304	161	1183	3.38	24.81
309	208	1391	4.36	29.17
313	208	1599	4.36	33.53
318	203	1802	4.26	37.79
323	240	2042	5.03	42.82
328	255	2297	5.35	48.17
333	253	2550	5.31	53.47
339	304	2854	6.37	59.84
345	315	3169	6.61	66.45
352	290	3459	6.08	72.53
360	316	3775	6.63	79.16
369	265	4040	5.56	84.71
381	276	4316	5.79	90.50
397	199	4515	4.17	94.67
425	156	4671	3.27	97.95
475	98	4769	2.05	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

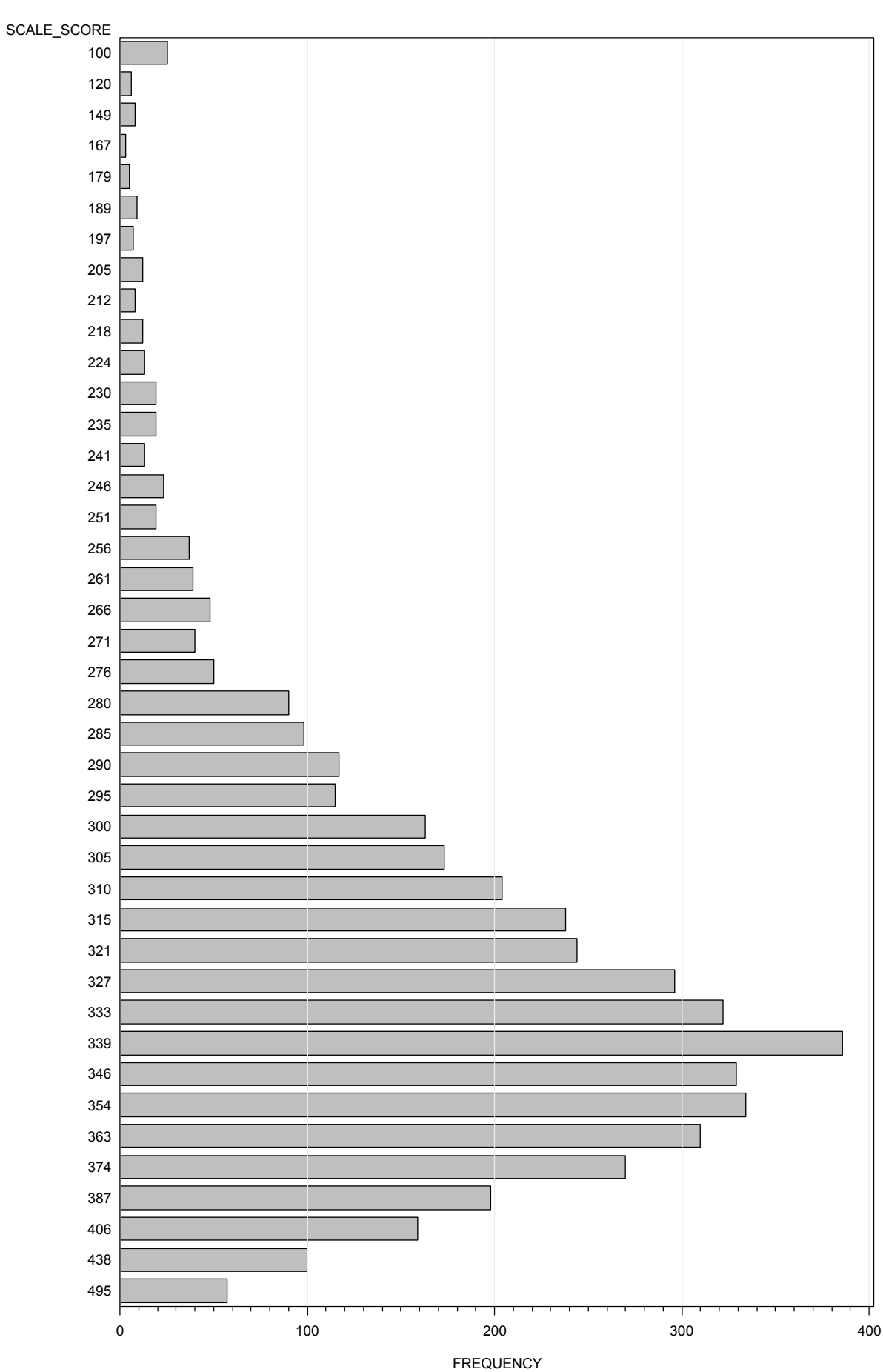
STAAR ALTERNATE 2 SPRING 2015
GRADE 4 READING
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
100	22	22	0.48	0.48
135	3	25	0.07	0.54
161	8	33	0.17	0.72
176	7	40	0.15	0.87
187	4	44	0.09	0.96
196	10	54	0.22	1.17
204	13	67	0.28	1.46
211	10	77	0.22	1.68
217	7	84	0.15	1.83
222	14	98	0.30	2.13
228	16	114	0.35	2.48
233	15	129	0.33	2.81
238	23	152	0.50	3.31
243	23	175	0.50	3.81
247	22	197	0.48	4.29
252	22	219	0.48	4.77
257	36	255	0.78	5.55
261	39	294	0.85	6.40
266	52	346	1.13	7.53
271	58	404	1.26	8.79
276	69	473	1.50	10.29
280	67	540	1.46	11.75
285	83	623	1.81	13.56
290	98	721	2.13	15.69
295	107	828	2.33	18.02
300	130	958	2.83	20.84
305	173	1131	3.76	24.61
310	140	1271	3.05	27.65
316	206	1477	4.48	32.14
321	220	1697	4.79	36.92
327	268	1965	5.83	42.75
333	298	2263	6.48	49.24
339	305	2568	6.64	55.87
346	331	2899	7.20	63.08
354	353	3252	7.68	70.76
362	312	3564	6.79	77.55
372	362	3926	7.88	85.42
384	286	4212	6.22	91.64
402	195	4407	4.24	95.89
431	110	4517	2.39	98.28
483	79	4596	1.72	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

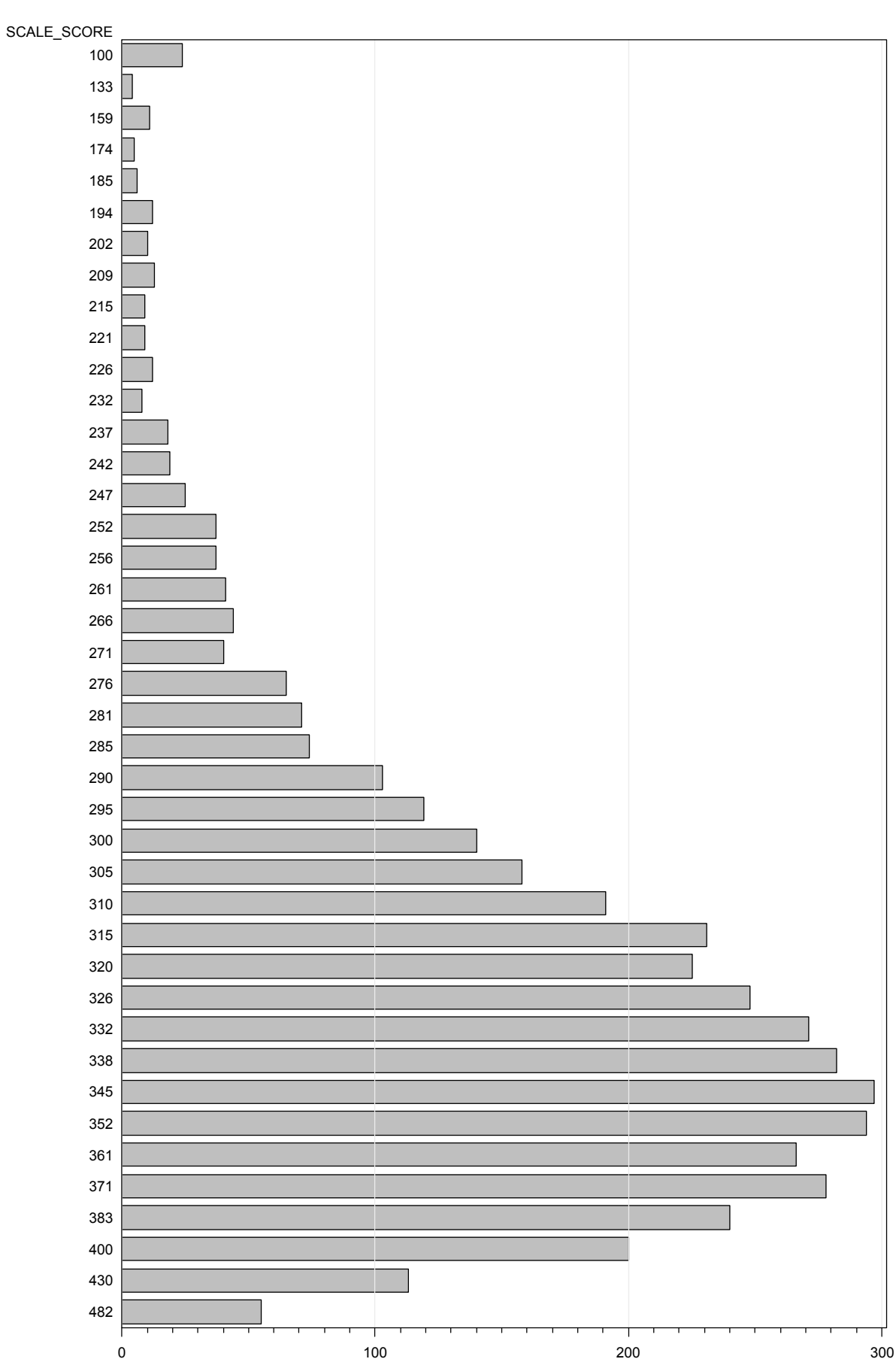
STAAR ALTERNATE 2 SPRING 2015
GRADE 5 READING
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
100	25	25	0.54	0.54
120	6	31	0.13	0.67
149	8	39	0.17	0.84
167	3	42	0.06	0.91
179	5	47	0.11	1.02
189	9	56	0.19	1.21
197	7	63	0.15	1.36
205	12	75	0.26	1.62
212	8	83	0.17	1.80
218	12	95	0.26	2.06
224	13	108	0.28	2.34
230	19	127	0.41	2.75
235	19	146	0.41	3.16
241	13	159	0.28	3.44
246	23	182	0.50	3.94
251	19	201	0.41	4.35
256	37	238	0.80	5.15
261	39	277	0.84	6.00
266	48	325	1.04	7.04
271	40	365	0.87	7.90
276	50	415	1.08	8.99
280	90	505	1.95	10.94
285	98	603	2.12	13.06
290	117	720	2.53	15.59
295	115	835	2.49	18.08
300	163	998	3.53	21.61
305	173	1171	3.75	25.36
310	204	1375	4.42	29.77
315	238	1613	5.15	34.93
321	244	1857	5.28	40.21
327	296	2153	6.41	46.62
333	322	2475	6.97	53.59
339	386	2861	8.36	61.95
346	329	3190	7.12	69.08
354	334	3524	7.23	76.31
363	310	3834	6.71	83.02
374	270	4104	5.85	88.87
387	198	4302	4.29	93.16
406	159	4461	3.44	96.60
438	100	4561	2.17	98.77
495	57	4618	1.23	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

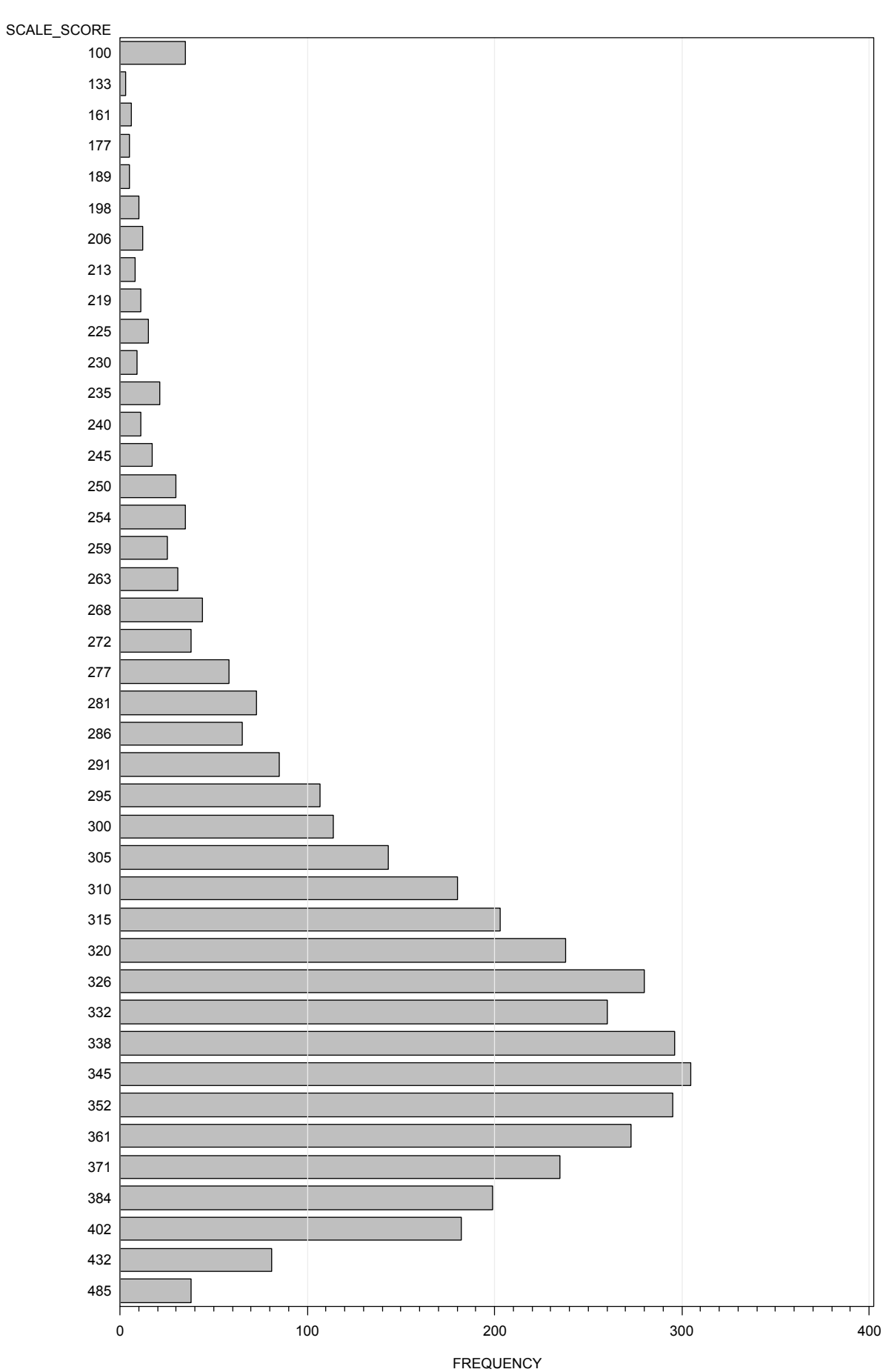
STAAR ALTERNATE 2 SPRING 2015
GRADE 6 READING
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
100	24	24	0.56	0.56
133	4	28	0.09	0.65
159	11	39	0.26	0.91
174	5	44	0.12	1.02
185	6	50	0.14	1.16
194	12	62	0.28	1.44
202	10	72	0.23	1.67
209	13	85	0.30	1.97
215	9	94	0.21	2.18
221	9	103	0.21	2.39
226	12	115	0.28	2.67
232	8	123	0.19	2.86
237	18	141	0.42	3.28
242	19	160	0.44	3.72
247	25	185	0.58	4.30
252	37	222	0.86	5.16
256	37	259	0.86	6.02
261	41	300	0.95	6.97
266	44	344	1.02	7.99
271	40	384	0.93	8.92
276	65	449	1.51	10.43
281	71	520	1.65	12.08
285	74	594	1.72	13.80
290	103	697	2.39	16.19
295	119	816	2.76	18.95
300	140	956	3.25	22.21
305	158	1114	3.67	25.88
310	191	1305	4.44	30.31
315	231	1536	5.37	35.68
320	225	1761	5.23	40.91
326	248	2009	5.76	46.67
332	271	2280	6.30	52.96
338	282	2562	6.55	59.51
345	297	2859	6.90	66.41
352	294	3153	6.83	73.24
361	266	3419	6.18	79.42
371	278	3697	6.46	85.88
383	240	3937	5.57	91.45
400	200	4137	4.65	96.10
430	113	4250	2.62	98.72
482	55	4305	1.28	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

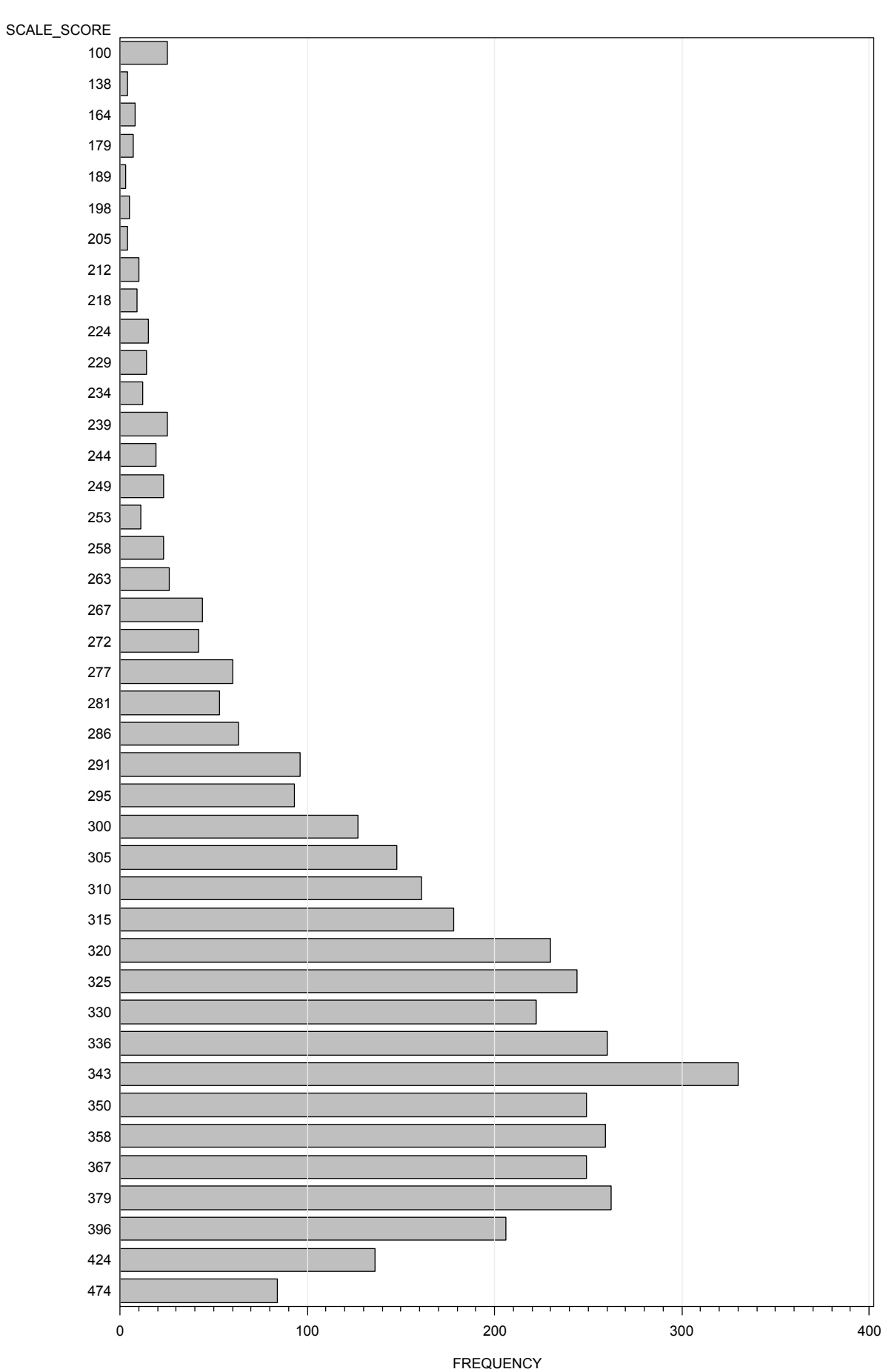
STAAR ALTERNATE 2 SPRING 2015
GRADE 7 READING
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
100	35	35	0.86	0.86
133	3	38	0.07	0.93
161	6	44	0.15	1.08
177	5	49	0.12	1.20
189	5	54	0.12	1.32
198	10	64	0.25	1.57
206	12	76	0.29	1.86
213	8	84	0.20	2.06
219	11	95	0.27	2.33
225	15	110	0.37	2.70
230	9	119	0.22	2.92
235	21	140	0.51	3.43
240	11	151	0.27	3.70
245	17	168	0.42	4.12
250	30	198	0.74	4.85
254	35	233	0.86	5.71
259	25	258	0.61	6.32
263	31	289	0.76	7.08
268	44	333	1.08	8.16
272	38	371	0.93	9.09
277	58	429	1.42	10.51
281	73	502	1.79	12.30
286	65	567	1.59	13.89
291	85	652	2.08	15.98
295	107	759	2.62	18.60
300	114	873	2.79	21.39
305	143	1016	3.50	24.90
310	180	1196	4.41	29.31
315	203	1399	4.97	34.28
320	238	1637	5.83	40.11
326	280	1917	6.86	46.97
332	260	2177	6.37	53.34
338	296	2473	7.25	60.60
345	305	2778	7.47	68.07
352	295	3073	7.23	75.30
361	273	3346	6.69	81.99
371	235	3581	5.76	87.75
384	199	3780	4.88	92.62
402	182	3962	4.46	97.08
432	81	4043	1.98	99.07
485	38	4081	0.93	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

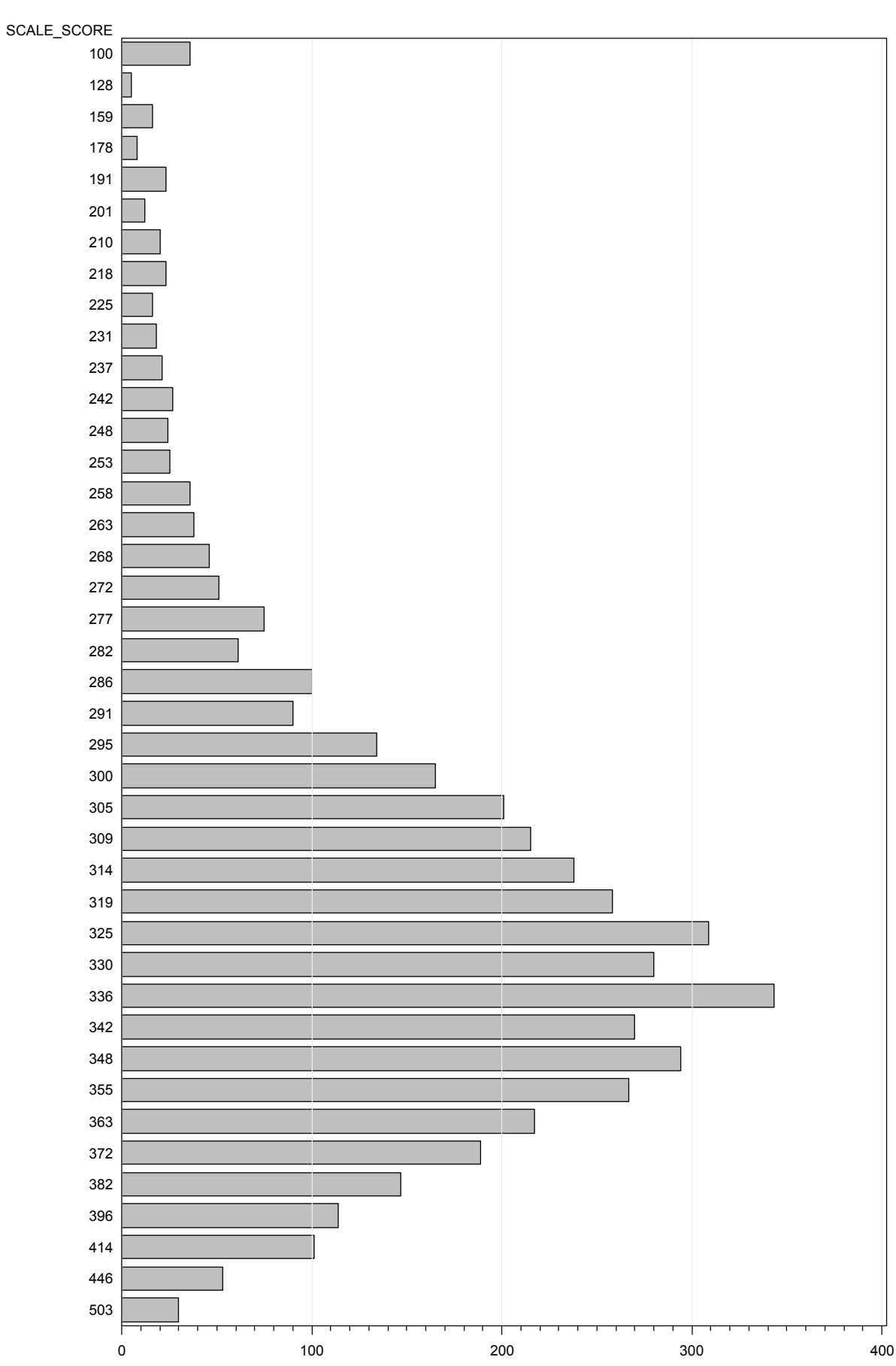
STAAR ALTERNATE 2 SPRING 2015
GRADE 8 READING
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
100	25	25	0.62	0.62
138	4	29	0.10	0.72
164	8	37	0.20	0.92
179	7	44	0.17	1.09
189	3	47	0.07	1.16
198	5	52	0.12	1.29
205	4	56	0.10	1.39
212	10	66	0.25	1.63
218	9	75	0.22	1.86
224	15	90	0.37	2.23
229	14	104	0.35	2.57
234	12	116	0.30	2.87
239	25	141	0.62	3.49
244	19	160	0.47	3.96
249	23	183	0.57	4.53
253	11	194	0.27	4.80
258	23	217	0.57	5.37
263	26	243	0.64	6.02
267	44	287	1.09	7.11
272	42	329	1.04	8.15
277	60	389	1.49	9.63
281	53	442	1.31	10.94
286	63	505	1.56	12.50
291	96	601	2.38	14.88
295	93	694	2.30	17.18
300	127	821	3.14	20.33
305	148	969	3.66	23.99
310	161	1130	3.99	27.98
315	178	1308	4.41	32.38
320	230	1538	5.69	38.08
325	244	1782	6.04	44.12
330	222	2004	5.50	49.62
336	260	2264	6.44	56.05
343	330	2594	8.17	64.22
350	249	2843	6.16	70.39
358	259	3102	6.41	76.80
367	249	3351	6.16	82.97
379	262	3613	6.49	89.45
396	206	3819	5.10	94.55
424	136	3955	3.37	97.92
474	84	4039	2.08	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

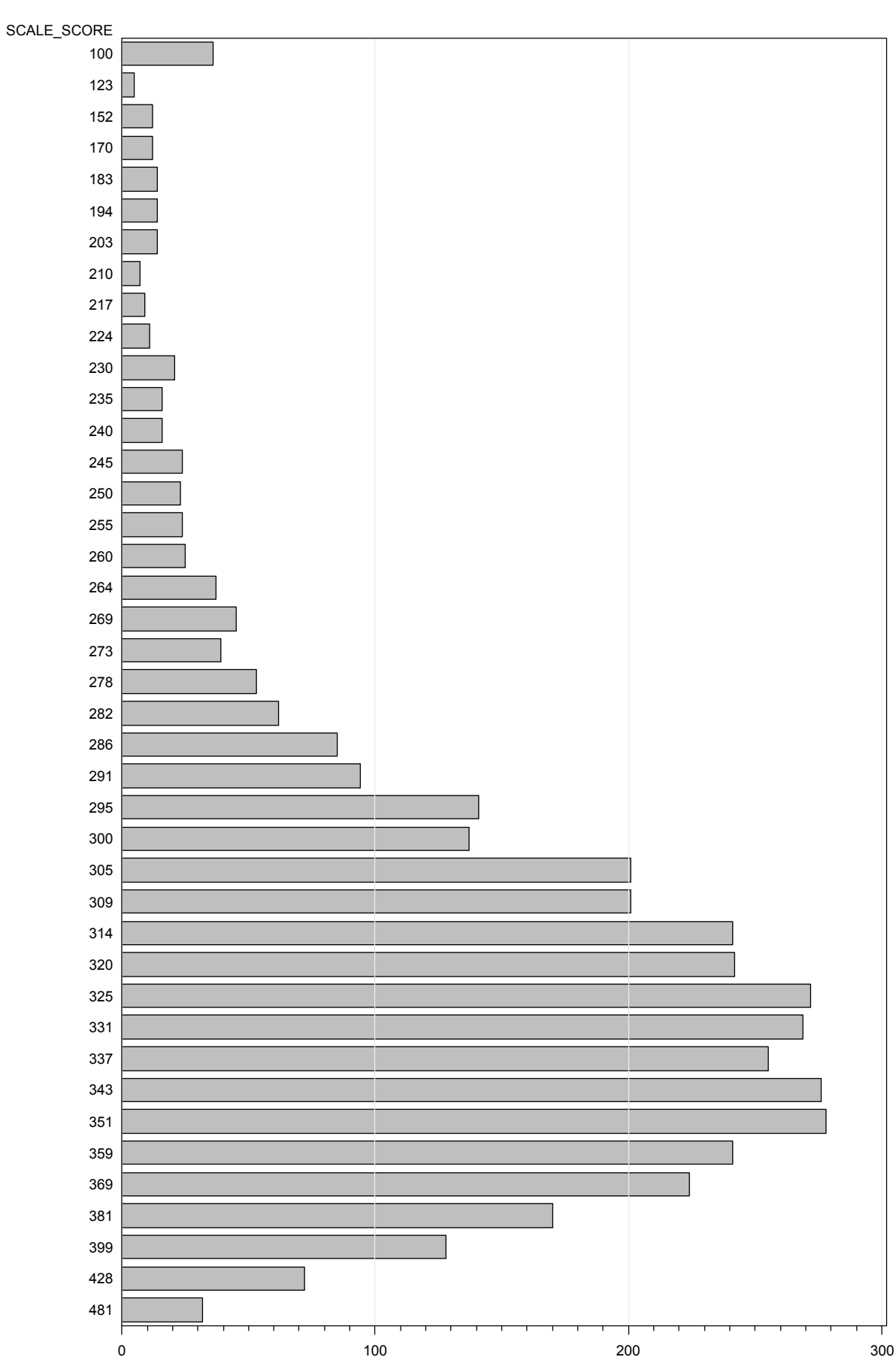
STAAR ALTERNATE 2 SPRING 2015
GRADE 4 WRITING
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
100	36	36	0.78	0.78
128	5	41	0.11	0.89
159	16	57	0.35	1.24
178	8	65	0.17	1.41
191	23	88	0.50	1.91
201	12	100	0.26	2.18
210	20	120	0.44	2.61
218	23	143	0.50	3.11
225	16	159	0.35	3.46
231	18	177	0.39	3.85
237	21	198	0.46	4.31
242	27	225	0.59	4.90
248	24	249	0.52	5.42
253	25	274	0.54	5.96
258	36	310	0.78	6.74
263	38	348	0.83	7.57
268	46	394	1.00	8.57
272	51	445	1.11	9.68
277	75	520	1.63	11.31
282	61	581	1.33	12.64
286	100	681	2.18	14.82
291	90	771	1.96	16.78
295	134	905	2.92	19.69
300	165	1070	3.59	23.28
305	201	1271	4.37	27.65
309	215	1486	4.68	32.33
314	238	1724	5.18	37.51
319	258	1982	5.61	43.12
325	309	2291	6.72	49.85
330	280	2571	6.09	55.94
336	343	2914	7.46	63.40
342	270	3184	5.87	69.28
348	294	3478	6.40	75.67
355	267	3745	5.81	81.48
363	217	3962	4.72	86.21
372	189	4151	4.11	90.32
382	147	4298	3.20	93.52
396	114	4412	2.48	96.00
414	101	4513	2.20	98.19
446	53	4566	1.15	99.35
503	30	4596	0.65	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

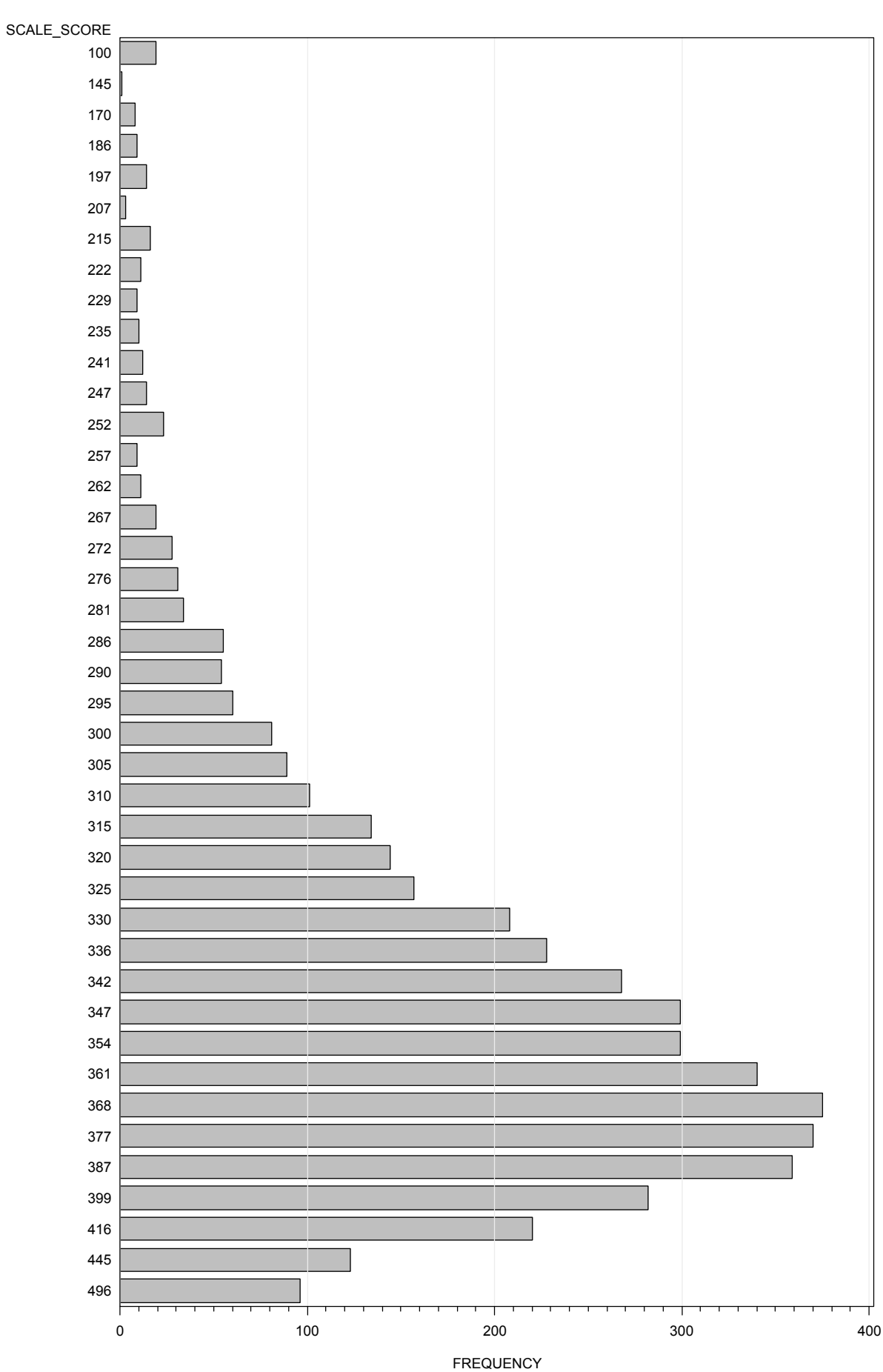
STAAR ALTERNATE 2 SPRING 2015
GRADE 7 WRITING
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
100	36	36	0.88	0.88
123	5	41	0.12	1.01
152	12	53	0.29	1.30
170	12	65	0.29	1.59
183	14	79	0.34	1.94
194	14	93	0.34	2.28
203	14	107	0.34	2.62
210	7	114	0.17	2.80
217	9	123	0.22	3.02
224	11	134	0.27	3.29
230	21	155	0.51	3.80
235	16	171	0.39	4.19
240	16	187	0.39	4.59
245	24	211	0.59	5.17
250	23	234	0.56	5.74
255	24	258	0.59	6.33
260	25	283	0.61	6.94
264	37	320	0.91	7.85
269	45	365	1.10	8.95
273	39	404	0.96	9.91
278	53	457	1.30	11.21
282	62	519	1.52	12.73
286	85	604	2.08	14.81
291	94	698	2.31	17.12
295	141	839	3.46	20.57
300	137	976	3.36	23.93
305	201	1177	4.93	28.86
309	201	1378	4.93	33.79
314	241	1619	5.91	39.70
320	242	1861	5.93	45.64
325	272	2133	6.67	52.31
331	269	2402	6.60	58.90
337	255	2657	6.25	65.15
343	276	2933	6.77	71.92
351	278	3211	6.82	78.74
359	241	3452	5.91	84.65
369	224	3676	5.49	90.14
381	170	3846	4.17	94.31
399	128	3974	3.14	97.45
428	72	4046	1.77	99.22
481	32	4078	0.78	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

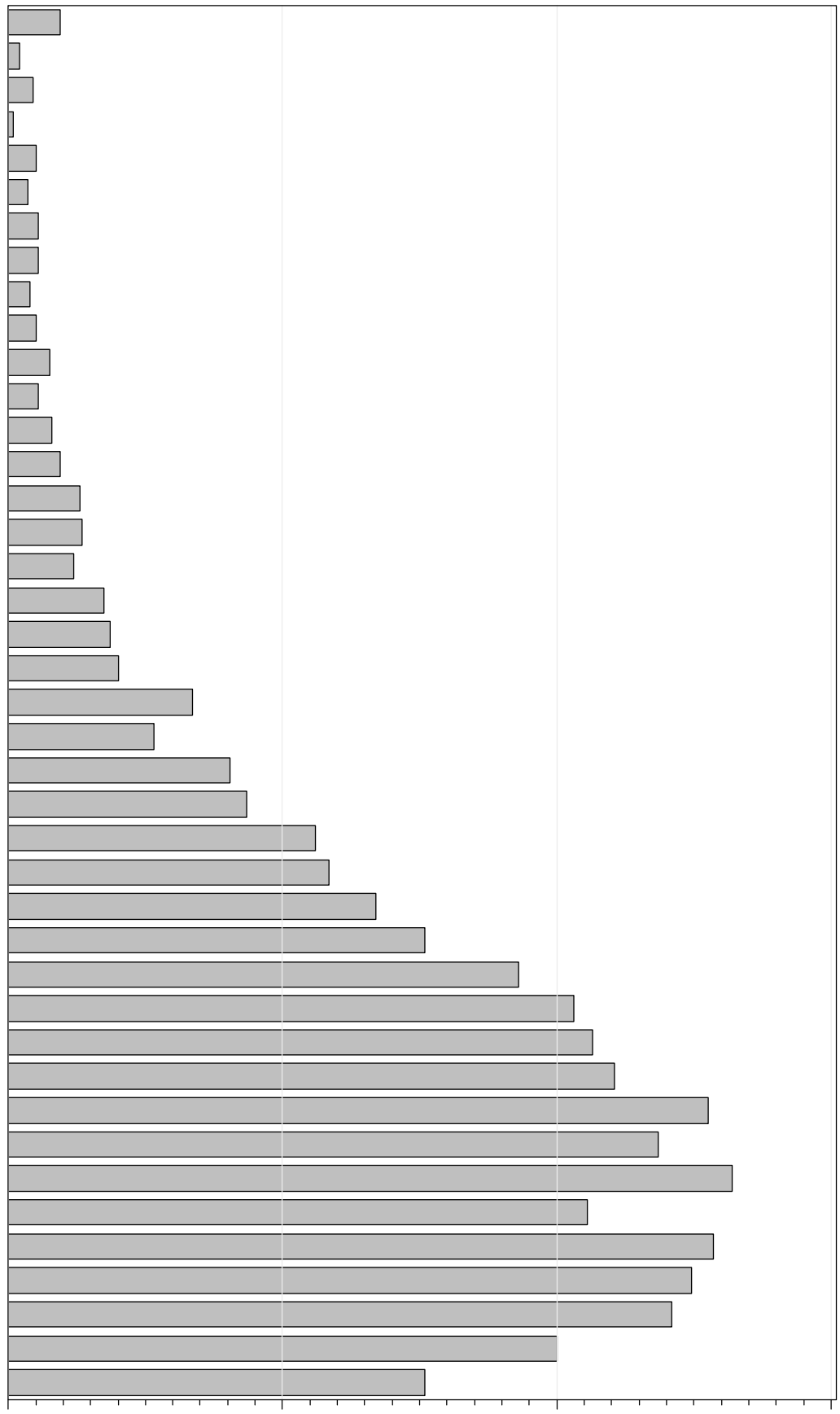
STAAR ALTERNATE 2 SPRING 2015
GRADE 5 SCIENCE
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
100	19	19	0.41	0.41
145	1	20	0.02	0.43
170	8	28	0.17	0.61
186	9	37	0.19	0.80
197	14	51	0.30	1.10
207	3	54	0.06	1.17
215	16	70	0.35	1.51
222	11	81	0.24	1.75
229	9	90	0.19	1.95
235	10	100	0.22	2.16
241	12	112	0.26	2.42
247	14	126	0.30	2.73
252	23	149	0.50	3.22
257	9	158	0.19	3.42
262	11	169	0.24	3.66
267	19	188	0.41	4.07
272	28	216	0.61	4.67
276	31	247	0.67	5.34
281	34	281	0.74	6.08
286	55	336	1.19	7.27
290	54	390	1.17	8.44
295	60	450	1.30	9.73
300	81	531	1.75	11.49
305	89	620	1.93	13.41
310	101	721	2.18	15.60
315	134	855	2.90	18.49
320	144	999	3.11	21.61
325	157	1156	3.40	25.01
330	208	1364	4.50	29.50
336	228	1592	4.93	34.44
342	268	1860	5.80	40.23
347	299	2159	6.47	46.70
354	299	2458	6.47	53.17
361	340	2798	7.35	60.52
368	375	3173	8.11	68.64
377	370	3543	8.00	76.64
387	359	3902	7.77	84.40
399	282	4184	6.10	90.50
416	220	4404	4.76	95.26
445	123	4527	2.66	97.92
496	96	4623	2.08	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

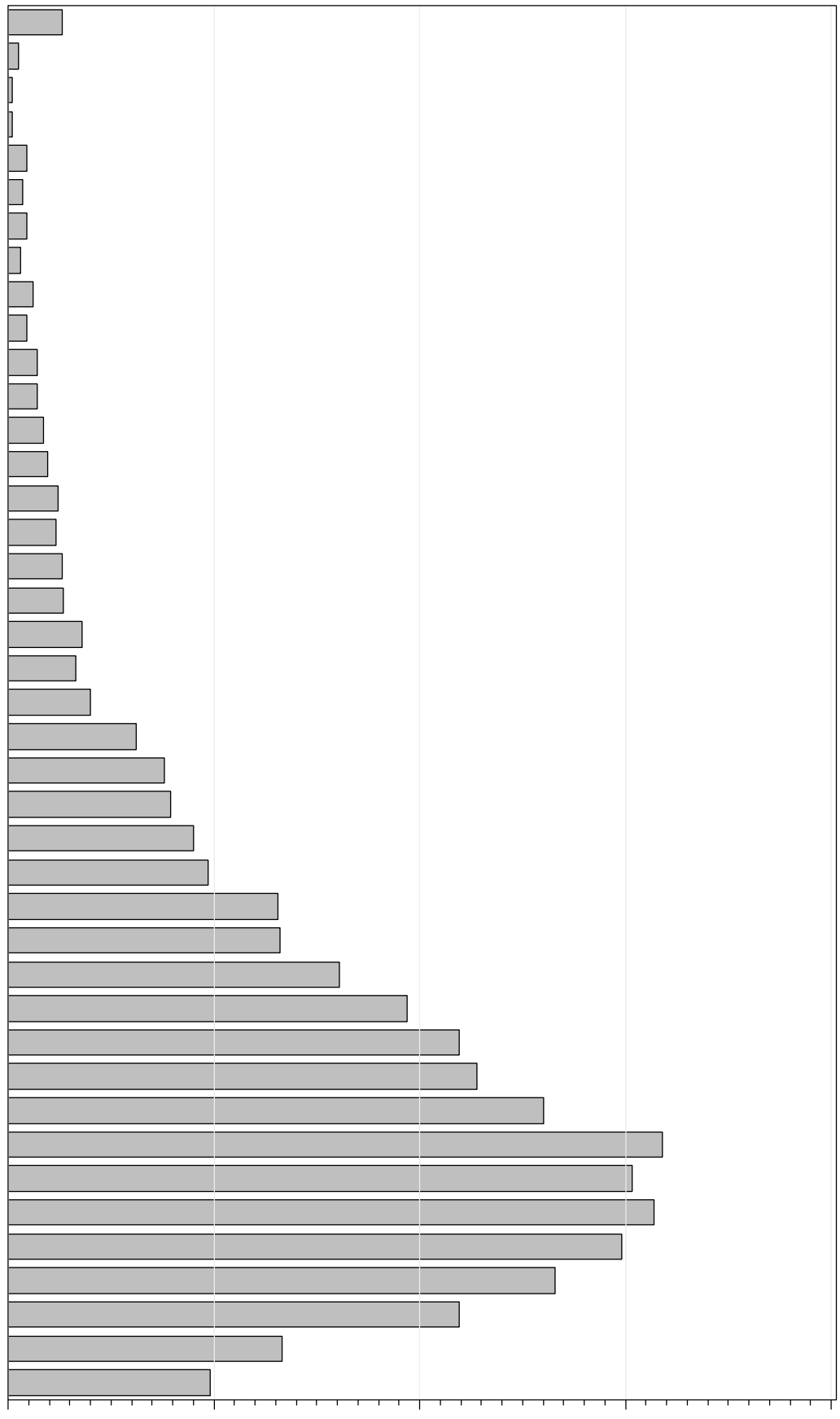
STAAR ALTERNATE 2 SPRING 2015
GRADE 8 SCIENCE
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
125	19	19	0.47	0.47
165	4	23	0.10	0.57
187	9	32	0.22	0.79
201	2	34	0.05	0.84
211	10	44	0.25	1.09
220	7	51	0.17	1.26
228	11	62	0.27	1.54
235	11	73	0.27	1.81
242	8	81	0.20	2.01
248	10	91	0.25	2.25
253	15	106	0.37	2.63
259	11	117	0.27	2.90
264	16	133	0.40	3.29
269	19	152	0.47	3.77
274	26	178	0.64	4.41
278	27	205	0.67	5.08
283	24	229	0.59	5.67
287	35	264	0.87	6.54
292	37	301	0.92	7.46
296	40	341	0.99	8.45
300	67	408	1.66	10.11
304	53	461	1.31	11.42
308	81	542	2.01	13.43
312	87	629	2.16	15.58
317	112	741	2.77	18.36
321	117	858	2.90	21.25
325	134	992	3.32	24.57
329	152	1144	3.77	28.34
334	186	1330	4.61	32.95
338	206	1536	5.10	38.05
343	213	1749	5.28	43.32
348	221	1970	5.47	48.80
353	255	2225	6.32	55.12
359	237	2462	5.87	60.99
365	264	2726	6.54	67.53
373	211	2937	5.23	72.75
382	257	3194	6.37	79.12
393	249	3443	6.17	85.29
408	242	3685	5.99	91.28
434	200	3885	4.95	96.23
479	152	4037	3.77	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

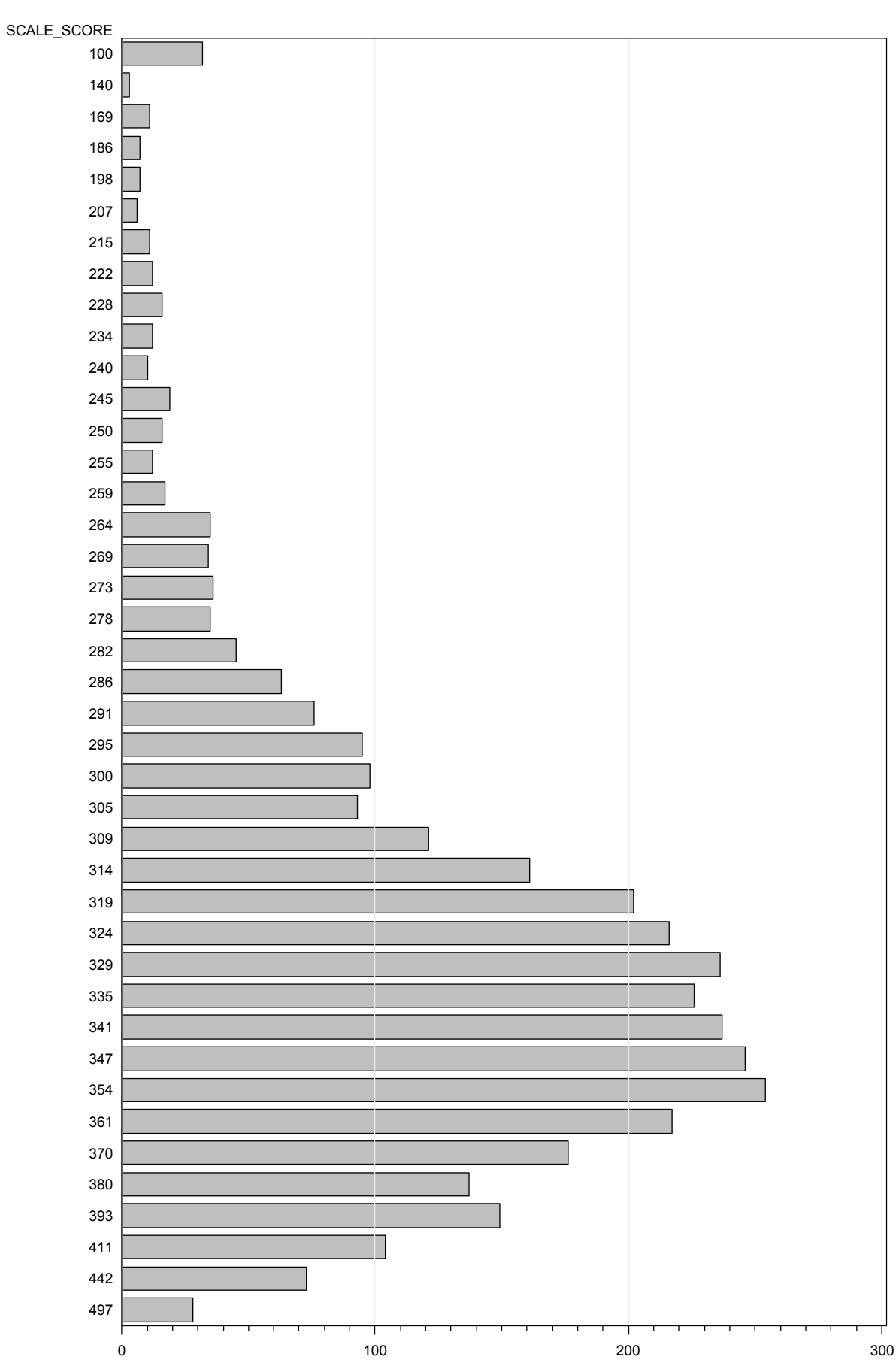
STAAR ALTERNATE 2 SPRING 2015
GRADE 8 SOCIAL STUDIES
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
102	26	26	0.64	0.64
145	5	31	0.12	0.77
169	2	33	0.05	0.82
183	2	35	0.05	0.87
194	9	44	0.22	1.09
203	7	51	0.17	1.26
210	9	60	0.22	1.49
217	6	66	0.15	1.63
224	12	78	0.30	1.93
230	9	87	0.22	2.15
235	14	101	0.35	2.50
240	14	115	0.35	2.85
246	17	132	0.42	3.27
250	19	151	0.47	3.74
255	24	175	0.59	4.33
260	23	198	0.57	4.90
265	26	224	0.64	5.55
269	27	251	0.67	6.22
274	36	287	0.89	7.11
278	33	320	0.82	7.92
282	40	360	0.99	8.92
287	62	422	1.54	10.45
291	76	498	1.88	12.33
296	79	577	1.96	14.29
300	90	667	2.23	16.52
304	97	764	2.40	18.92
309	131	895	3.24	22.16
314	132	1027	3.27	25.43
319	161	1188	3.99	29.42
324	194	1382	4.80	34.22
329	219	1601	5.42	39.65
334	228	1829	5.65	45.29
340	260	2089	6.44	51.73
347	318	2407	7.88	59.61
354	303	2710	7.50	67.11
362	314	3024	7.78	74.89
372	298	3322	7.38	82.27
384	266	3588	6.59	88.86
400	219	3807	5.42	94.28
428	133	3940	3.29	97.57
477	98	4038	2.43	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

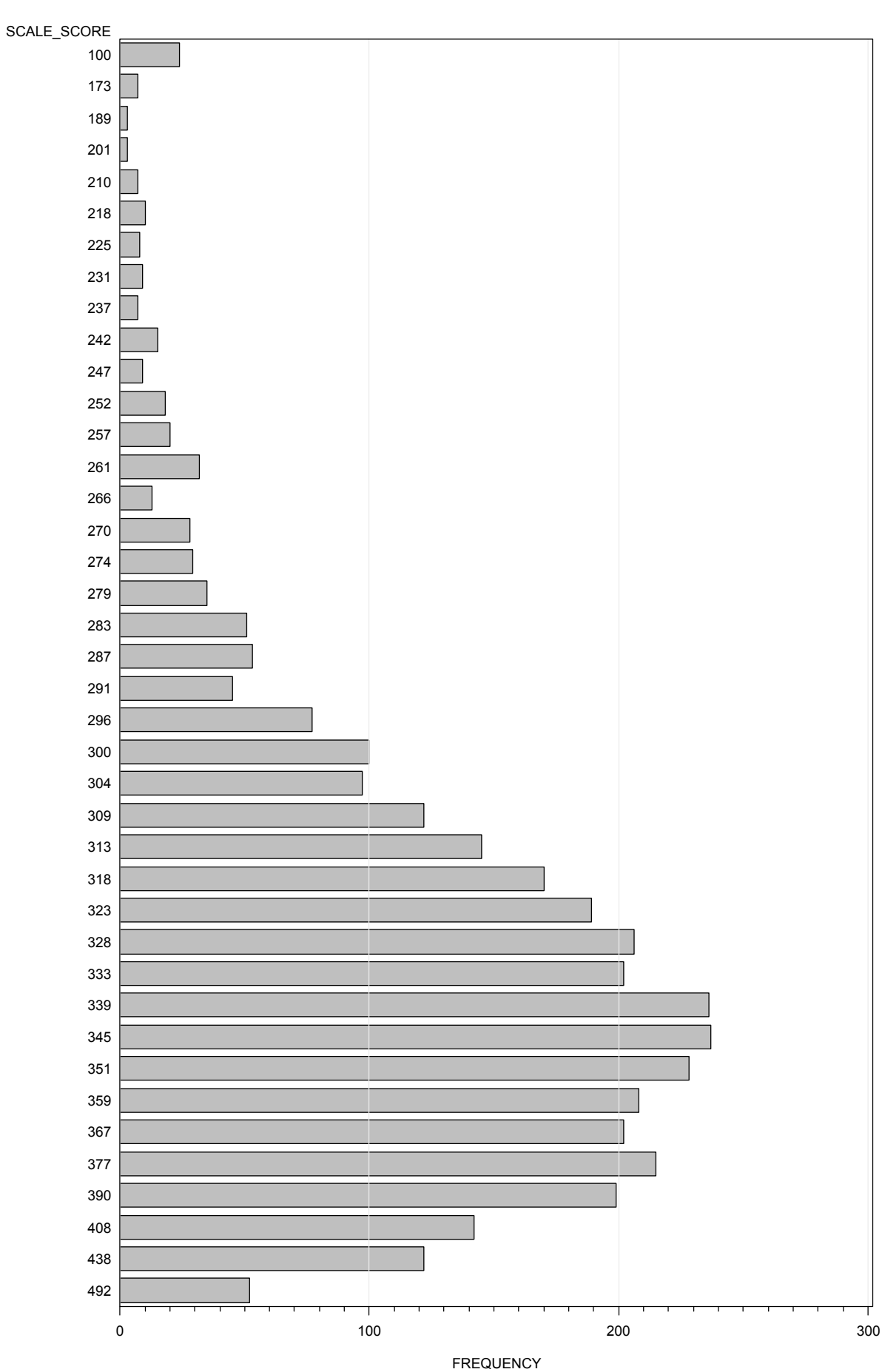
STAAR ALTERNATE 2 EOC SPRING 2015
ALGEBRA I
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
100	32	32	0.89	0.89
140	3	35	0.08	0.98
169	11	46	0.31	1.28
186	7	53	0.20	1.48
198	7	60	0.20	1.67
207	6	66	0.17	1.84
215	11	77	0.31	2.15
222	12	89	0.33	2.48
228	16	105	0.45	2.93
234	12	117	0.33	3.26
240	10	127	0.28	3.54
245	19	146	0.53	4.07
250	16	162	0.45	4.52
255	12	174	0.33	4.85
259	17	191	0.47	5.33
264	35	226	0.98	6.31
269	34	260	0.95	7.25
273	36	296	1.00	8.26
278	35	331	0.98	9.24
282	45	376	1.26	10.49
286	63	439	1.76	12.25
291	76	515	2.12	14.37
295	95	610	2.65	17.02
300	98	708	2.73	19.75
305	93	801	2.59	22.35
309	121	922	3.38	25.73
314	161	1083	4.49	30.22
319	202	1285	5.64	35.85
324	216	1501	6.03	41.88
329	236	1737	6.58	48.47
335	226	1963	6.31	54.77
341	237	2200	6.61	61.38
347	246	2446	6.86	68.25
354	254	2700	7.09	75.33
361	217	2917	6.05	81.39
370	176	3093	4.91	86.30
380	137	3230	3.82	90.12
393	149	3379	4.16	94.28
411	104	3483	2.90	97.18
442	73	3556	2.04	99.22
497	28	3584	0.78	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

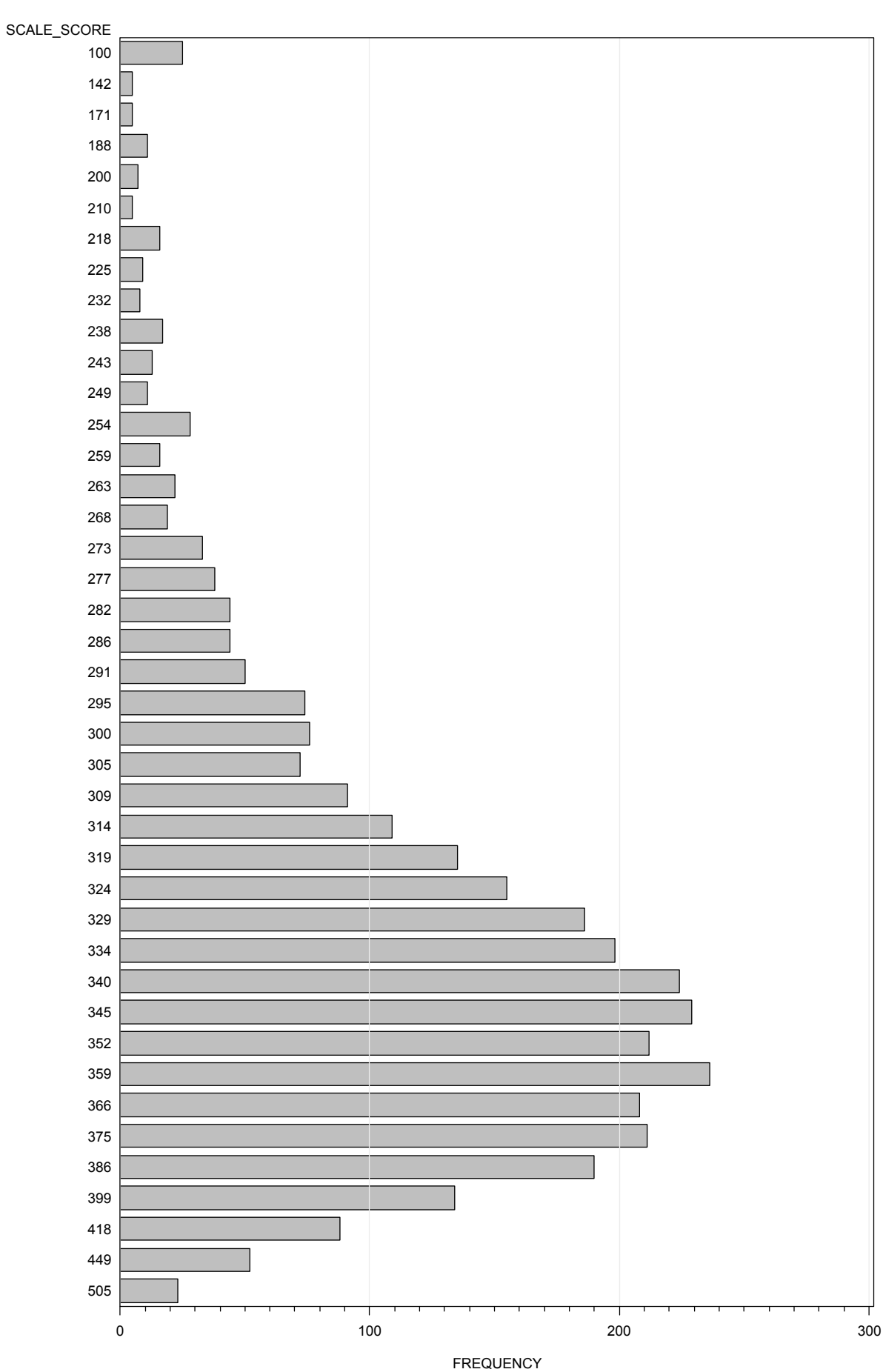
STAAR ALTERNATE 2 EOC SPRING 2015
ENGLISH I
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
100	24	24	0.67	0.67
173	7	31	0.20	0.87
189	3	34	0.08	0.95
201	3	37	0.08	1.03
210	7	44	0.20	1.23
218	10	54	0.28	1.51
225	8	62	0.22	1.73
231	9	71	0.25	1.99
237	7	78	0.20	2.18
242	15	93	0.42	2.60
247	9	102	0.25	2.85
252	18	120	0.50	3.36
257	20	140	0.56	3.92
261	32	172	0.90	4.81
266	13	185	0.36	5.17
270	28	213	0.78	5.96
274	29	242	0.81	6.77
279	35	277	0.98	7.75
283	51	328	1.43	9.17
287	53	381	1.48	10.66
291	45	426	1.26	11.92
296	77	503	2.15	14.07
300	100	603	2.80	16.87
304	97	700	2.71	19.58
309	122	822	3.41	22.99
313	145	967	4.06	27.05
318	170	1137	4.76	31.80
323	189	1326	5.29	37.09
328	206	1532	5.76	42.85
333	202	1734	5.65	48.50
339	236	1970	6.60	55.10
345	237	2207	6.63	61.73
351	228	2435	6.38	68.11
359	208	2643	5.82	73.93
367	202	2845	5.65	79.58
377	215	3060	6.01	85.59
390	199	3259	5.57	91.16
408	142	3401	3.97	95.13
438	122	3523	3.41	98.55
492	52	3575	1.45	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

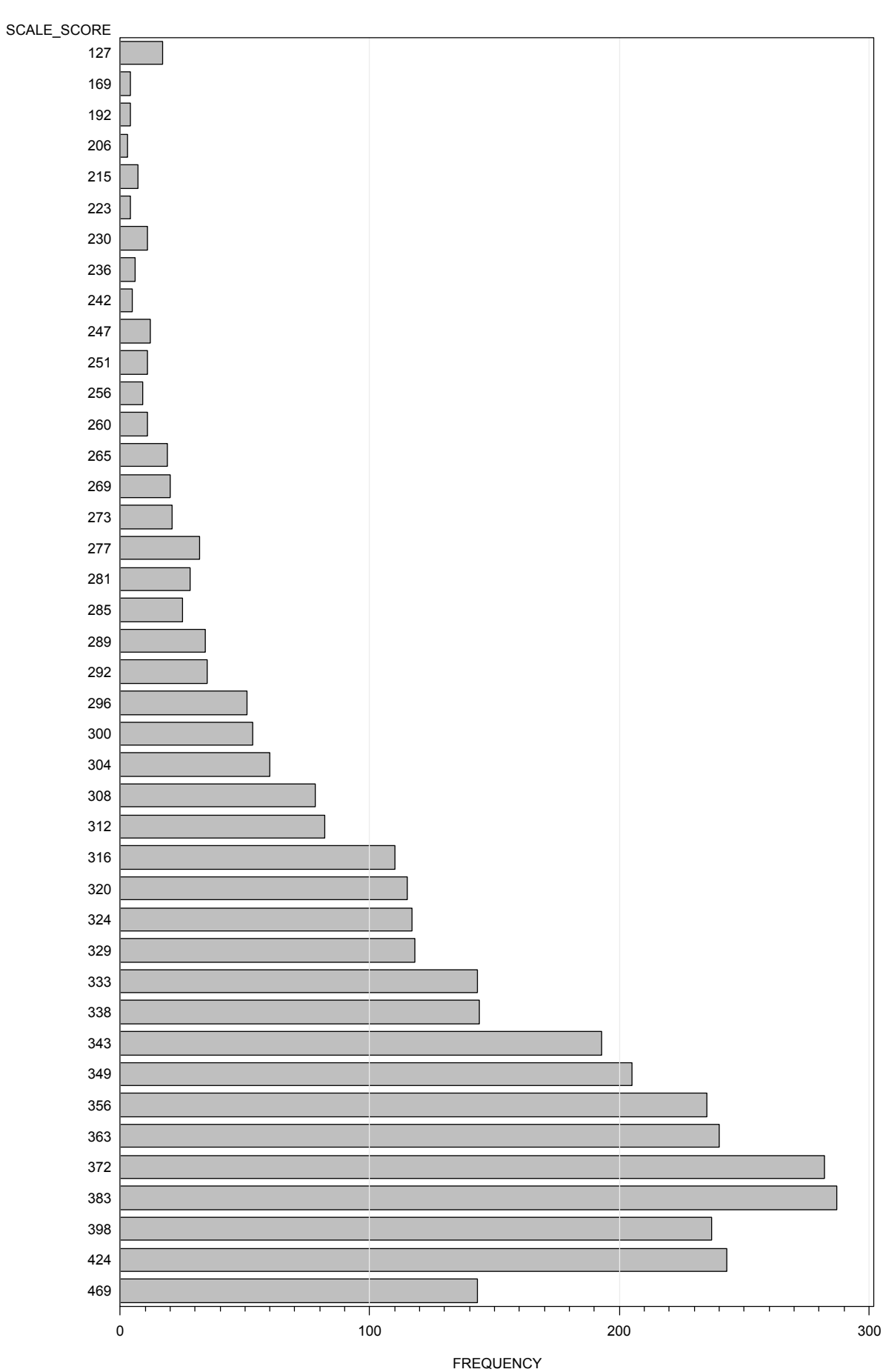
STAAR ALTERNATE 2 EOC SPRING 2015
ENGLISH II
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
100	25	25	0.75	0.75
142	5	30	0.15	0.90
171	5	35	0.15	1.05
188	11	46	0.33	1.38
200	7	53	0.21	1.59
210	5	58	0.15	1.74
218	16	74	0.48	2.22
225	9	83	0.27	2.49
232	8	91	0.24	2.73
238	17	108	0.51	3.24
243	13	121	0.39	3.63
249	11	132	0.33	3.97
254	28	160	0.84	4.81
259	16	176	0.48	5.29
263	22	198	0.66	5.95
268	19	217	0.57	6.52
273	33	250	0.99	7.51
277	38	288	1.14	8.65
282	44	332	1.32	9.97
286	44	376	1.32	11.29
291	50	426	1.50	12.80
295	74	500	2.22	15.02
300	76	576	2.28	17.30
305	72	648	2.16	19.47
309	91	739	2.73	22.20
314	109	848	3.27	25.47
319	135	983	4.06	29.53
324	155	1138	4.66	34.18
329	186	1324	5.59	39.77
334	198	1522	5.95	45.72
340	224	1746	6.73	52.45
345	229	1975	6.88	59.33
352	212	2187	6.37	65.70
359	236	2423	7.09	72.78
366	208	2631	6.25	79.03
375	211	2842	6.34	85.37
386	190	3032	5.71	91.08
399	134	3166	4.03	95.10
418	88	3254	2.64	97.75
449	52	3306	1.56	99.31
505	23	3329	0.69	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

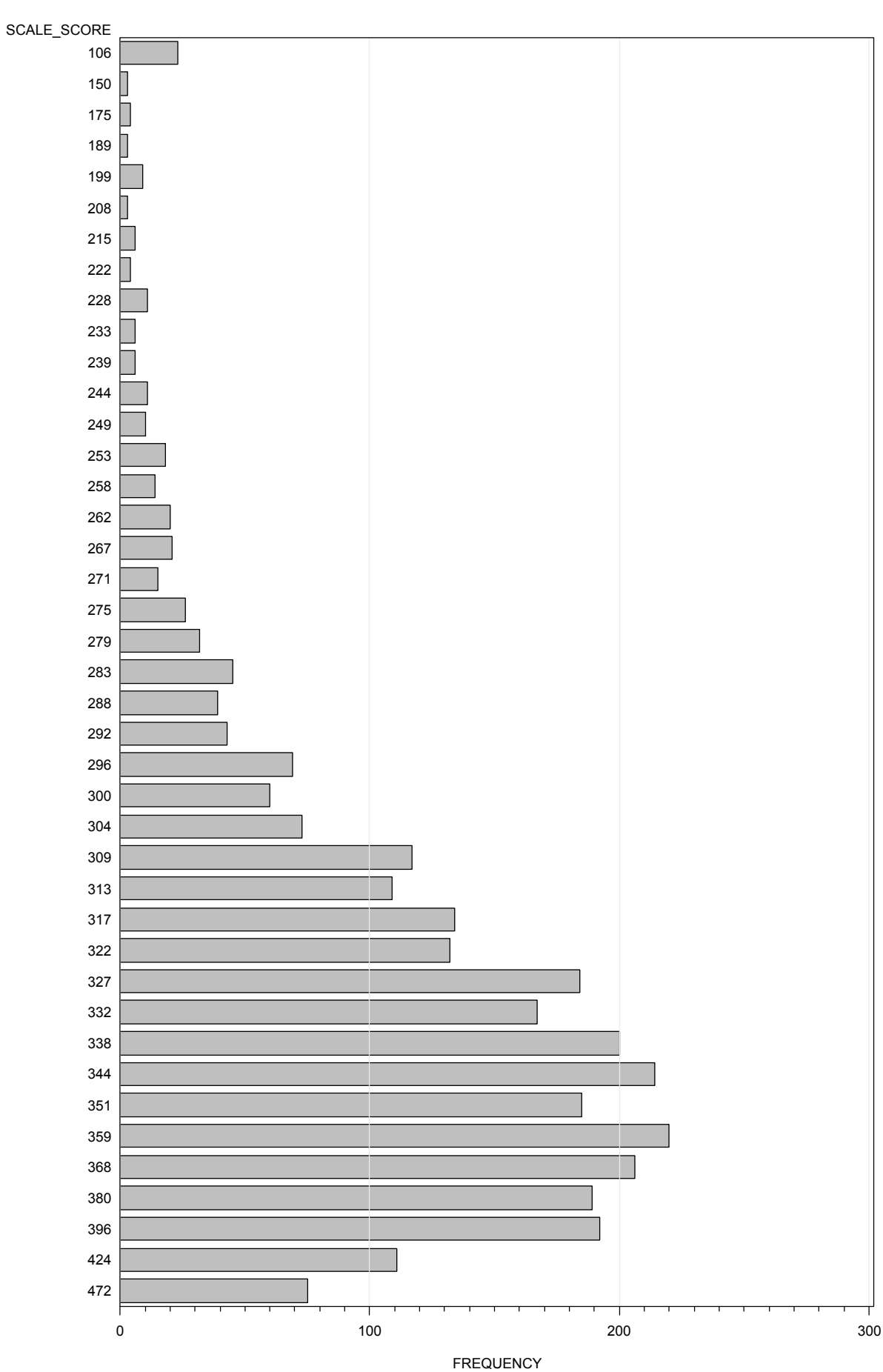
STAAR ALTERNATE 2 EOC SPRING 2015
BIOLOGY
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
127	17	17	0.49	0.49
169	4	21	0.12	0.61
192	4	25	0.12	0.72
206	3	28	0.09	0.81
215	7	35	0.20	1.01
223	4	39	0.12	1.13
230	11	50	0.32	1.45
236	6	56	0.17	1.62
242	5	61	0.14	1.77
247	12	73	0.35	2.11
251	11	84	0.32	2.43
256	9	93	0.26	2.69
260	11	104	0.32	3.01
265	19	123	0.55	3.56
269	20	143	0.58	4.14
273	21	164	0.61	4.75
277	32	196	0.93	5.67
281	28	224	0.81	6.49
285	25	249	0.72	7.21
289	34	283	0.98	8.19
292	35	318	1.01	9.21
296	51	369	1.48	10.68
300	53	422	1.53	12.22
304	60	482	1.74	13.95
308	78	560	2.26	16.21
312	82	642	2.37	18.59
316	110	752	3.18	21.77
320	115	867	3.33	25.10
324	117	984	3.39	28.49
329	118	1102	3.42	31.91
333	143	1245	4.14	36.05
338	144	1389	4.17	40.21
343	193	1582	5.59	45.80
349	205	1787	5.94	51.74
356	235	2022	6.80	58.54
363	240	2262	6.95	65.49
372	282	2544	8.16	73.65
383	287	2831	8.31	81.96
398	237	3068	6.86	88.82
424	243	3311	7.04	95.86
469	143	3454	4.14	100.00

FREQUENCY DISTRIBUTION - SCALE SCORES

STAAR ALTERNATE 2 EOC SPRING 2015
U.S. HISTORY
ALL STUDENTS



SCALE_SCORE	FREQ.	CUM. FREQ.	PCT.	CUM. PCT.
106	23	23	0.76	0.76
150	3	26	0.10	0.86
175	4	30	0.13	1.00
189	3	33	0.10	1.10
199	9	42	0.30	1.40
208	3	45	0.10	1.50
215	6	51	0.20	1.69
222	4	55	0.13	1.83
228	11	66	0.37	2.19
233	6	72	0.20	2.39
239	6	78	0.20	2.59
244	11	89	0.37	2.96
249	10	99	0.33	3.29
253	18	117	0.60	3.89
258	14	131	0.47	4.35
262	20	151	0.66	5.02
267	21	172	0.70	5.72
271	15	187	0.50	6.21
275	26	213	0.86	7.08
279	32	245	1.06	8.14
283	45	290	1.50	9.64
288	39	329	1.30	10.93
292	43	372	1.43	12.36
296	69	441	2.29	14.66
300	60	501	1.99	16.65
304	73	574	2.43	19.08
309	117	691	3.89	22.96
313	109	800	3.62	26.59
317	134	934	4.45	31.04
322	132	1066	4.39	35.43
327	184	1250	6.11	41.54
332	167	1417	5.55	47.09
338	200	1617	6.65	53.74
344	214	1831	7.11	60.85
351	185	2016	6.15	67.00
359	220	2236	7.31	74.31
368	206	2442	6.85	81.16
380	189	2631	6.28	87.44
396	192	2823	6.38	93.82
424	111	2934	3.69	97.51
472	75	3009	2.49	100.00