STAAR 100-Point Scale Overview

The State of Texas Assessments of Academic Readiness (STAAR®) 100-Point Scale allows for the comparison of a student's performance with the performance of other students who took the same STAAR End-of-Course (EOC) assessment. The 100-Point Scale is defined using percentiles, which represent the percentage of students across the state who took the assessment and received a scale score less than the scale score of interest. Percentiles are calculated based on all students, except for out-of-school testers, who received valid scale scores on the assessment during the spring administration of that year.

For example, a student who earned a scale score of 4330 on the STAAR U.S. History assessment scored higher than 46 percent of other students who took the same test during the spring administration of that year.

STAAR U.S. History

Scale Score	Percentile
⋮	⋮
4245	39
4287	42
4330	46
4375	49
⋮	⋮

Frequently Asked Questions

- My student answered all the questions correctly and received the highest possible scale score in the table. Why is my student's score on the 100-Point Scale not equal to 100?

  The 100-Point Scale is defined using the percentile of the student scores. The percentile is not directly related to the percent of questions the student answered correctly. It is based on the percent of students who received lower scale scores, rounded down to the closest whole number. In this example, your student did not score higher than 100% of students because he or she did not score higher than the other students who also received the highest possible scale score.

- How are percentiles calculated for the 100-Point Scale Table?

  A percentile associated with a specific scale score represents the percent of students who took the test and received a scale score less than the specific scale score. The following formula is used to calculate the percentile p(S) for a scale score S, where N is the total number of students who took the test, and x is the number of students with scale scores less than S.

$$p(S) = \frac{x}{N} \times 100$$

  If the calculated percentile is not a whole number, then it is rounded down to the closest whole number.

STAAR 100-Point Scale Overview

- What if my student's scale score does not appear in the 100-Point Scale Table?

  There are different versions for each STAAR EOC assessment (paper, online, braille, and paper with embedded supports). While scale scores are equivalent across versions, each version and administration may result in different specific scale scores. The specific scale scores listed in the 100-Point Scale Table are the ones from the assessment administered on paper and/or on computer (online) during the spring administration. If your student's scale score is not listed in the table, a range for the percentile can be obtained. The percentile associated with your student's scale score is between the percentiles for the scale scores in the table just above and just below your student's scale score.

  For example, a student' scale score on the STAAR U.S. History assessment is 4260. The table indicates that the scale scores just below and above 4260 are 4245 and 4287. These two scale scores are associated with the percentiles 39 and 42, respectively. Therefore, the percentile associated with a scale score of 4260 is between 39 and 42.

- Why are multiple scale scores associated with the same value on the 100-Point Scale?

  The percentile represents a percent of students who took the test. If the percentile for two scale scores is the same, this indicates that less than 1% of the students who took the test received the lower scale score.

State of Texas Assessments of Academic Readiness (STAAR)

End-of-Course 100-Point Scale

Spring 2019

STAAR Algebra I	
Scale Score[1]	Percentile[2,3]
1420	0
1959	0
2276	0
2466	0
2604	0
2714	0
2806	0
2886	0
2956	0
3021	0
3080	1
3135	1
3186	2
3234	4
3281	5
3325	7
3367	8
3408	10
3448	11
3500	13
3525	14
3550	16
3600	17
3636	19
3672	20
3708	22
3744	24
3780	25
3816	27
3851	29
3888	31
3924	33
3961	35
4000	38
4036	40
4075	43
4115	45
4156	48
4198	51
4242	54
4288	57
4333	60
4386	63
4438	66
4495	69
4556	73
4622	76
4696	79
4778	82
4873	85
4985	88
5127	91
5320	93
5640	96
6181	98

[1] Scale scores in this table are from the raw score conversion table of the STAAR administration of Algebra I assessment.

[2] To find the percentiles for the scale scores that are not in this table, refer to the "Frequently Asked Questions" in *STAAR 100-Point Scale Overview*.

[3] Percentiles were calculated using all students, except for out-of-school testers, who received valid scale scores on the assessment.

	Approaches 2012-2015
	Approaches
	Meets
	Masters

State of Texas Assessments of Academic Readiness (STAAR)
End-of-Course 100-Point Scale
Spring 2019

STAAR Algebra II	
Scale Score[1]	Percentile[2,3]
1190	0
1793	0
2149	0
2364	0
2521	0
2647	0
2753	0
2846	0
2928	0
3003	1
3073	2
3138	4
3198	5
3256	8
3311	10
3364	12
3416	14
3466	17
3500	19
3550	22
3608	25
3654	28
3699	30
3745	33
3789	36
3834	40
3879	43
3923	46
3969	49
4000	52
4059	56
4106	59
4154	63
4202	66
4252	69
4303	72
4356	75
4411	78
4469	80
4530	83
4595	85
4664	87
4739	90
4822	92
4914	93
5020	95
5146	96
5303	97
5518	98
5874	99
6476	99

[1.] Scale scores in this table are from the raw score conversion table of the STAAR administration of Algebra II assessment.
[2.] To find the percentiles for the scale scores that are not in this table, refer to the "Frequently Asked Questions" in *STAAR 100-Point Scale Overview*.
[3.] Percentiles were calculated using all students, except for out-of-school testers, who received valid scale scores on the assessment.

	Approaches 2012-2015
	Approaches
	Meets
	Masters

State of Texas Assessments of Academic Readiness (STAAR)
End-of-Course 100-Point Scale
Spring 2019

STAAR English I	
Scale Score[1]	Percentile[2,3]
1145	0
1697	0
2020	0
2211	0
2348	0
2455	0
2543	0
2618	0
2683	0
2741	0
2793	0
2841	0
2885	0
2926	0
2965	1
3001	1
3037	2
3071	2
3104	3
3136	4
3169	5
3200	6
3231	8
3262	10
3293	11
3324	12
3355	14
3386	15
3417	17
3448	18
3480	20
3511	21
3542	23
3574	25
3606	27
3638	28
3670	30
3703	32
3750	34
3775	36
3804	38
3838	40
3873	43
3909	45
3945	48
4000	50
4020	53
4059	55
4100	58
4141	60
4184	63
4228	66
4274	69
4321	71
4372	74
4424	77
4480	80
4540	83
4603	85
4691	88
4747	90
4829	92
4921	94
5026	95
5148	97
5298	98
5497	99
5821	99
6367	99

[1] Scale scores in this table are from the raw score conversion table of the STAAR paper administration of English I assessment.

[2] To find the percentiles for the scale scores that are not in this table, refer to the "Frequently Asked Questions" in *STAAR 100-Point Scale Overview*.

[3] Percentiles were calculated using all students, except for out-of-school testers, who received valid scale scores on the assessment.

	Approaches 2012-2015
	Approaches
	Meets
	Masters

State of Texas Assessments of Academic Readiness (STAAR)
End-of-Course 100-Point Scale
Spring 2019

STAAR English II	
Scale Score[1]	Percentile[2,3]
961	0
1537	0
1873	0
2073	0
2216	0
2328	0
2420	0
2499	0
2567	0
2627	0
2682	0
2731	0
2777	0
2820	0
2860	0
2899	0
2935	1
2971	1
3006	1
3040	2
3073	3
3106	3
3138	4
3171	5
3203	6
3235	7
3267	8
3300	9
3332	10
3365	11
3398	13
3430	14
3463	15
3497	16
3530	18
3564	20
3598	21
3633	24
3668	26
3703	28
3750	30
3775	32
3812	35
3849	37
3887	40
3927	42
3966	46
4000	48
4050	52
4093	55
4138	58
4184	61
4233	64
4283	68
4335	71
4391	74
4450	77
4512	80
4579	84
4651	86
4730	89
4831	91
4913	94
5023	95
5150	97
5306	98
5512	99
5848	99
6416	99

[1] Scale scores in this table are from the raw score conversion table of the STAAR paper administration of English II assessment.
[2] To find the percentiles for the scale scores that are not in this table, refer to the "Frequently Asked Questions" in *STAAR 100-Point Scale Overview*.
[3] Percentiles were calculated using all students, except for out-of-school testers, who received valid scale scores on the assessment.

	Approaches 2012-2015
	Approaches
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	Masters

State of Texas Assessments of Academic Readiness (STAAR)
End-of-Course 100-Point Scale
Spring 2019

STAAR English III	
Scale Score[1]	Percentile[2,3]
878	0
1523	0
1904	0
2132	0
2298	0
2431	0
2540	0
2634	0
2717	0
2791	0
2858	0
2918	0
2974	1
3026	1
3075	1
3120	2
3163	3
3204	3
3243	4
3280	5
3316	6
3352	7
3386	9
3421	10
3454	11
3487	12
3521	13
3554	15
3587	16
3621	17
3655	19
3688	20
3723	22
3775	24
3793	26
3828	29
3864	31
3900	34
3937	37
3974	40
4000	43
4051	47
4090	51
4129	55
4170	59
4212	62
4254	66
4297	70
4341	73
4386	76
4433	79
4481	82
4546	85
4583	87
4637	89
4693	91
4752	93
4815	94
4882	95
4953	97
5032	97
5117	98
5214	99
5325	99
5457	99
5623	99
5849	100
6227	100
6870	100

[1.] Scale scores in this table are from the raw score conversion table of the STAAR paper administration of English III assessment.
[2.] To find the percentiles for the scale scores that are not in this table, refer to the "Frequently Asked Questions" in *STAAR 100-Point Scale Overview*.
[3.] Percentiles were calculated using all students, except for out-of-school testers, who received valid scale scores on the assessment.

	Approaches 2012-2015
	Approaches
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	Masters

State of Texas Assessments of Academic Readiness (STAAR)

End-of-Course 100-Point Scale

Spring 2019

STAAR Biology	
Scale Score[1]	Percentile[2,3]
1383	0
1938	0
2266	0
2463	0
2608	0
2723	0
2821	0
2905	0
2981	0
3050	0
3112	0
3172	1
3227	1
3279	2
3330	3
3378	5
3425	6
3470	8
3500	10
3550	12
3599	14
3641	15
3682	17
3723	19
3763	21
3804	24
3844	26
3884	28
3925	31
3966	33
4000	36
4050	39
4093	42
4137	45
4182	49
4229	52
4277	56
4328	59
4380	63
4436	66
4495	70
4576	74
4627	77
4703	81
4788	84
4886	87
5002	90
5147	93
5345	95
5674	97
6229	99

[1.] Scale scores in this table are from the raw score conversion table of the STAAR administration of Biology assessment.

[2.] To find the percentiles for the scale scores that are not in this table, refer to the "Frequently Asked Questions" in *STAAR 100-Point Scale Overview*.

[3.] Percentiles were calculated using all students, except for out-of-school testers, who received valid scale scores on the assessment.

	Approaches 2012-2015
	Approaches
	Meets
	Masters

State of Texas Assessments of Academic Readiness (STAAR)

End-of-Course 100-Point Scale

Spring 2019

STAAR U.S. History	
Scale Score[1]	Percentile[2,3]
886	0
1490	0
1846	0
2059	0
2214	0
2337	0
2440	0
2529	0
2608	0
2679	0
2744	0
2805	0
2860	0
2913	0
2963	0
3011	0
3056	0
3099	0
3142	0
3182	1
3222	1
3260	2
3297	2
3334	2
3370	3
3406	4
3441	4
3475	5
3500	6
3550	6
3576	7
3609	8
3643	9
3676	10
3709	11
3742	12
3776	13
3809	15
3842	16
3876	17
3910	19
3945	21
3980	22
4000	24
4051	27
4088	29
4126	31
4164	34
4204	36
4245	39
4287	42
4330	46
4375	49
4440	53
4472	56
4524	60
4579	64
4638	68
4701	72
4769	77
4843	80
4926	84
5019	88
5126	91
5255	94
5416	96
5635	98
5999	99
6609	99

[1.] Scale scores in this table are from the raw score conversion table of the STAAR administration of U.S. History assessment.

[2.] To find the percentiles for the scale scores that are not in this table, refer to the "Frequently Asked Questions" in *STAAR 100-Point Scale Overview*.

[3.] Percentiles were calculated using all students, except for out-of-school testers, who received valid scale scores on the assessment.

	Approaches 2012-2015
	Approaches
	Meets
	Masters