

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 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 based on the performance of students who took the regular version of the STAAR End-of-Course (EOC) assessment on paper or online, as well as any other version that was administered during the spring of that year.

For example, the table below shows that a student who earned a scale score of 3828 on the STAAR Algebra I EOC assessment scored higher than 35 percent of other students who took the same test.

STAAR Algebra I

Scale Score	Percentile
⋮	⋮
3758	31
3793	33
3828	35
3863	38
⋮	⋮

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 of each STAAR EOC assessment (paper, online, braille, etc.). 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 regular STAAR assessment administered on paper 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, consider a student whose scale score on the Algebra I EOC assessment is 3792. The table indicates that the scale scores 3758 and 3793 are associated with the percentiles 31 and 33, respectively. The percentile associated with a scale score of 3792 is between 31 and 33.

- 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 score.

State of Texas Assessments of Academic Readiness (STAAR)

End of Course 100-Point Scale

Spring 2017

STAAR Algebra I	
Scale Score ¹	Percentile ²
1406	0
1945	0
2262	0
2452	0
2590	0
2700	0
2792	0
2871	0
2942	0
3007	0
3065	0
3120	1
3171	2
3219	3
3266	4
3309	6
3352	8
3393	10
3432	11
3471	13
3500	15
3550	17
3582	19
3618	22
3653	24
3688	26
3723	28
3758	31
3793	33
3828	35
3863	38
3898	41
3934	43
3970	46
4000	49
4045	52
4083	55
4122	58
4163	61
4205	64
4248	67
4294	69
4333	72
4393	75
4447	78
4505	80
4569	83
4639	85
4718	88
4809	90
4919	92
5056	94
5246	96
5562	98
6100	99

¹ Scale scores are from the STAAR Algebra I test.

² Percentiles were calculated using students taking paper, online, braille, and STAAR with embedded supports.

	Approaches 2012-2015
	Approaches
	Meets
	Masters

State of Texas Assessments of Academic Readiness (STAAR)

End of Course 100-Point Scale

Spring 2017

STAAR Algebra II	
Scale Score ¹	Percentile ²
1144	0
1747	0
2103	0
2318	0
2475	0
2601	0
2707	0
2799	0
2882	0
2957	0
3026	1
3091	2
3151	4
3209	5
3265	7
3318	9
3369	11
3419	14
3468	16
3500	19
3550	21
3608	24
3653	26
3699	29
3744	32
3789	35
3834	38
3879	41
3924	44
3970	48
4000	51
4063	54
4111	57
4161	60
4211	64
4263	67
4317	70
4373	73
4411	76
4494	79
4559	82
4629	85
4705	87
4789	89
4883	91
4990	93
5117	95
5276	96
5492	97
5849	98
6452	99

¹ Scale scores are from the STAAR Algebra II test.

² Percentiles were calculated using students taking paper, online, braille, and STAAR with embedded supports.

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State of Texas Assessments of Academic Readiness (STAAR)

End of Course 100-Point Scale

Spring 2017

STAAR English I	
Scale Score ¹	Percentile ²
1152	0
1701	0
2022	0
2210	0
2344	0
2449	0
2534	0
2606	0
2669	0
2725	0
2775	0
2821	0
2864	0
2904	0
2942	0
2978	1
3013	1
3047	2
3081	3
3114	4
3146	5
3178	6
3210	7
3241	8
3273	10
3304	11
3336	13
3368	15
3399	16
3431	18
3462	19
3494	21
3526	23
3558	25
3591	27
3623	29
3655	31
3689	33
3722	36
3750	38
3775	40
3825	43
3860	46
3895	48
3932	51
3969	53
4000	56
4046	59
4086	61
4127	64
4169	67
4213	70
4258	72
4306	75
4355	78
4407	80
4461	83
4519	85
4581	88
4647	90
4691	92
4799	93
4887	95
4987	96
5105	97
5250	98
5446	99
5768	99
6314	99

¹. Scale scores are from the STAAR English I test.

². Percentiles were calculated using students taking paper, online, braille, and STAAR with embedded supports.

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State of Texas Assessments of Academic Readiness (STAAR)

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Spring 2017

STAAR English II	
Scale Score ¹	Percentile ²
960	0
1532	0
1862	0
2054	0
2191	0
2296	0
2383	0
2456	0
2520	0
2578	0
2630	0
2680	0
2726	0
2770	0
2812	0
2853	0
2893	1
2932	1
2970	2
3008	3
3045	4
3082	5
3118	6
3154	7
3189	8
3224	9
3259	10
3293	12
3328	13
3362	15
3396	16
3430	18
3464	19
3498	21
3532	23
3566	25
3600	27
3634	29
3669	31
3703	33
3750	36
3775	38
3810	40
3847	43
3884	45
3922	48
3961	50
4000	53
4041	56
4083	58
4125	61
4170	64
4216	67
4264	70
4314	73
4367	76
4423	78
4482	81
4546	84
4614	86
4688	89
4769	91
4831	93
4964	95
5085	96
5235	97
5437	98
5771	99
6341	99

¹. Scale scores are from the STAAR English II test.

². Percentiles were calculated using students taking paper, online, braille, and STAAR with embedded supports.

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State of Texas Assessments of Academic Readiness (STAAR)

End of Course 100-Point Scale

Spring 2017

STAAR English III	
Scale Score ¹	Percentile ²
895	0
1539	0
1918	0
2146	0
2312	0
2443	0
2553	0
2647	0
2729	0
2804	0
2872	0
2933	0
2990	1
3043	1
3092	2
3138	3
3182	4
3224	5
3264	6
3302	8
3338	9
3374	10
3409	11
3444	13
3477	14
3511	16
3544	17
3577	19
3609	21
3643	22
3676	25
3709	27
3750	29
3775	31
3812	34
3846	36
3882	39
3918	43
3954	45
4000	48
4029	52
4067	55
4106	59
4146	62
4186	65
4227	69
4269	72
4312	75
4356	78
4402	81
4448	84
4496	86
4546	88
4598	91
4652	92
4707	94
4766	95
4828	96
4893	97
4964	98
5039	98
5123	99
5217	99
5324	99
5451	99
5611	99
5832	99
6201	99
6837	100

¹. Scale scores are from the STAAR English III test.

². Percentiles were calculated using students taking paper, online, braille, and STAAR with embedded supports.

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State of Texas Assessments of Academic Readiness (STAAR)

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Spring 2017

STAAR Biology	
Scale Score ¹	Percentile ²
1348	0
1902	0
2228	0
2424	0
2567	0
2681	0
2776	0
2859	0
2932	0
2999	0
3060	0
3117	0
3170	1
3221	2
3269	3
3315	4
3359	6
3402	7
3443	9
3500	11
3523	12
3550	14
3599	16
3637	18
3674	20
3711	22
3747	24
3784	26
3820	28
3857	31
3893	33
3930	35
3967	38
4000	41
4043	43
4082	46
4122	49
4163	52
4205	55
4249	59
4294	62
4342	65
4391	69
4444	72
4500	75
4576	78
4626	81
4699	84
4781	87
4876	90
4988	92
5130	95
5325	97
5650	98
6203	99

¹ Scale scores are from the STAAR Biology test.

² Percentiles were calculated using students taking paper, online, braille, and STAAR with embedded supports.

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State of Texas Assessments of Academic Readiness (STAAR)

End of Course 100-Point Scale

Spring 2017

STAAR U.S. History	
Scale Score ¹	Percentile ²
927	0
1530	0
1884	0
2096	0
2249	0
2370	0
2472	0
2560	0
2637	0
2707	0
2770	0
2830	0
2885	0
2936	0
2985	0
3031	0
3075	0
3118	0
3159	1
3199	1
3237	1
3275	2
3311	2
3346	3
3382	4
3416	5
3450	6
3483	7
3581	10
3613	11
3645	12
3677	14
3708	15
3740	17
3772	18
3804	20
3835	22
3868	24
3900	26
3933	28
3966	30
4034	35
4068	37
4104	40
4140	42
4177	45
4216	48
4255	51
4295	54
4337	57
4381	60
4476	66
4527	69
4581	72
4639	76
4703	79
4772	82
4849	85
4935	88
5036	91
5157	93
5310	96
5521	97
5874	99
6476	99

¹. Scale scores are from the STAAR U.S. History test.

². Percentiles were calculated using students taking paper, online, braille, and STAAR with embedded supports.

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