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 who received valid scale scores on the assessment during the spring administration of that year.

For example (see the table below), a student who earned a scale score of 3879 on the STAAR Algebra I assessment scored higher than 36 percent of other students who took the same test during the spring administration of that year.

STAAR Algebra I

Scale Score	Percentile
⋮	⋮
3808	31
3843	33
3879	36
3914	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 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 Algebra I assessment is 3828. The table indicates that the scale scores just below and above 3828 are 3808 and 3843. These two scale scores are associated with the percentiles 31 and 33, respectively. Therefore, the percentile associated with a scale score of 3828 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 scale score.

State of Texas Assessments of Academic Readiness (STAAR)

End-of-Course 100-Point Scale

Spring 2018

STAAR Algebra I	
Scale Score[1]	Percentile[2,3]
1394	0
1934	0
2253	0
2445	0
2584	0
2696	0
2790	0
2871	0
2943	0
3008	0
3068	0
3124	1
3176	2
3225	3
3272	4
3317	6
3360	7
3402	9
3442	11
3500	13
3520	14
3550	16
3594	18
3630	20
3667	22
3702	24
3738	26
3773	29
3808	31
3843	33
3879	36
3914	38
3951	41
4000	43
4024	46
4062	49
4101	52
4140	54
4181	57
4224	60
4267	63
4333	66
4362	69
4412	72
4467	74
4526	77
4589	80
4660	82
4740	85
4831	87
4941	90
5079	92
5269	94
5585	96
6123	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 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 2018

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	6
3256	8
3311	10
3364	13
3416	15
3466	18
3500	20
3550	23
3608	25
3654	28
3699	31
3745	33
3789	36
3834	39
3879	42
3923	45
3969	48
4000	51
4059	54
4106	57
4154	60
4202	63
4252	66
4303	69
4356	72
4411	75
4469	78
4530	80
4595	83
4664	85
4739	87
4822	89
4914	91
5020	93
5146	95
5303	96
5518	97
5874	98
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 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 2018

STAAR English I	
Scale Score[1]	Percentile[2,3]
1101	0
1651	0
1969	0
2156	0
2289	0
2392	0
2476	0
2548	0
2610	0
2666	0
2717	0
2763	0
2807	0
2848	0
2887	0
2926	1
2962	1
2998	2
3033	3
3067	4
3101	5
3135	6
3168	7
3201	9
3234	10
3266	11
3299	13
3331	14
3363	16
3395	17
3427	19
3460	20
3492	22
3524	23
3557	25
3589	27
3622	29
3655	31
3689	33
3722	35
3750	37
3775	39
3826	42
3863	45
3899	48
3937	50
3976	53
4000	56
4056	59
4098	62
4141	65
4187	68
4234	71
4283	74
4335	77
4389	80
4446	82
4507	85
4573	88
4644	90
4691	92
4807	94
4902	96
5010	97
5135	98
5288	98
5489	99
5813	99
6357	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 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 2018

STAAR English II	
Scale Score[1]	Percentile[2,3]
0989	0
1564	0
1897	0
2094	0
2234	0
2343	0
2431	0
2506	0
2571	0
2628	0
2679	0
2726	0
2770	0
2810	0
2848	0
2885	0
2921	1
2956	1
2990	2
3023	2
3056	3
3089	4
3122	5
3154	6
3187	7
3220	8
3252	9
3285	10
3318	11
3351	12
3384	14
3417	15
3450	16
3484	18
3517	19
3551	21
3585	23
3619	25
3653	27
3688	29
3723	32
3775	34
3795	36
3832	39
3869	41
3907	44
3946	47
4000	49
4027	52
4069	55
4113	58
4158	61
4205	64
4254	67
4305	70
4360	74
4418	77
4480	80
4547	83
4619	86
4698	89
4831	91
4882	93
4993	95
5121	97
5276	98
5483	99
5816	99
6382	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 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 2018

STAAR English III	
Scale Score[1]	Percentile[2,3]
0889	0
1534	0
1913	0
2141	0
2306	0
2437	0
2546	0
2639	0
2722	0
2795	0
2862	0
2923	0
2979	1
3031	1
3080	2
3126	2
3169	3
3211	4
3251	5
3289	6
3326	8
3363	9
3398	10
3433	11
3468	13
3502	14
3536	15
3570	17
3604	18
3638	20
3673	22
3707	23
3750	25
3775	28
3812	30
3848	33
3884	35
3920	38
3957	41
4000	44
4033	48
4071	52
4110	55
4150	58
4191	62
4232	65
4274	68
4317	72
4361	75
4406	78
4453	81
4501	84
4546	87
4601	89
4654	91
4709	93
4767	94
4827	95
4892	96
4960	97
5034	98
5114	98
5203	99
5305	99
5426	99
5578	99
5787	99
6144	99
6767	99

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 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 2018

STAAR Biology	
Scale Score[1]	Percentile[2,3]
1343	0
1896	0
2222	0
2417	0
2560	0
2673	0
2768	0
2851	0
2924	0
2991	0
3051	0
3108	0
3161	1
3212	1
3260	2
3305	4
3349	5
3392	6
3433	8
3473	10
3500	11
3550	13
3589	15
3627	17
3664	18
3701	20
3737	22
3774	25
3810	27
3847	29
3884	31
3921	34
3958	36
4000	39
4035	42
4074	45
4115	47
4156	50
4198	53
4242	56
4288	60
4335	63
4386	66
4439	69
4495	72
4576	75
4622	78
4695	81
4778	84
4873	87
4986	90
5128	92
5323	95
5648	97
6201	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 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 2018

STAAR U.S. History	
Scale Score[1]	Percentile[2,3]
0974	0
1576	0
1929	0
2140	0
2292	0
2412	0
2513	0
2599	0
2676	0
2745	0
2808	0
2865	0
2919	0
2970	0
3018	0
3064	0
3107	0
3149	0
3189	1
3228	1
3265	2
3302	2
3338	3
3373	4
3407	4
3440	5
3473	6
3500	7
3550	8
3570	8
3602	9
3633	10
3664	11
3695	12
3726	14
3757	15
3788	16
3820	17
3851	19
3882	20
3914	22
3946	24
3978	25
4000	27
4045	30
4079	32
4113	34
4149	37
4185	39
4222	42
4261	45
4301	48
4342	51
4386	54
4440	58
4478	61
4529	65
4582	68
4639	72
4702	75
4770	79
4846	82
4932	86
5032	89
5151	92
5303	94
5513	96
5865	98
6467	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 who received valid scale scores on the assessment.

	Approaches 2012-2015
	Approaches
	Meets
	Masters