



Word Facility and Skills	Comprehension Strategies and Constructing Meaning	Numbers and Operations
<ul style="list-style-type: none"> • Alphabetic Principle • Concept of Word • Visual Discrimination • Phonemic Awareness • Phonics • Structural Analysis • Vocabulary 	<ul style="list-style-type: none"> • Sentence-Level Comprehension • Paragraph-Level Comprehension 	<ul style="list-style-type: none"> • Early Numeracy



STAR Reading Enterprise™ is an assessment of reading comprehension and skills for independent readers through grade 12. STAR Reading Enterprise tracks development in five domains:

- Word Knowledge and Skills
- Comprehension Strategies and Constructing Meaning
- Analyzing Literary Text
- Understanding Author’s Craft
- Analyzing Argument and Evaluating Text



STAR Math Enterprise™ is an assessment of math achievement for students in grades 1–12. STAR Math Enterprise tracks development in four domains:

- Numbers and Operations
- Algebra
- Geometry and Measurement
- Data Analysis, Statistics, and Probability

What are computer-adaptive tests?

All STAR assessments are computer-adaptive tests (CATs). Computer-adaptive tests continually adjust the difficulty of each child’s test by choosing each test question based on the child’s previous response. If the child answers a question correctly, the difficulty level of the next item is increased. If the child misses a question, the difficulty level is decreased. CATs save testing time and spare your child the frustration of items that are too difficult and the boredom of items that are too easy.

What are STAR assessments used for?

The STAR assessments are often used to screen students for their reading and math achievement levels. STAR Reading and STAR Math™ assessments help determine reading and math achievement levels in order to place students into the Accelerated Reader™ and Accelerated Math™ programs. STAR Early Literacy Enterprise assessments help educators monitor students’ growing literacy skills and students’ progress toward becoming independent readers. STAR Reading Spanish assessments help educators working in bilingual and dual-language programs to inform instruction, match students to books, and monitor Spanish reading growth. In English-only programs, educators can use STAR Reading Spanish to determine the Spanish reading level of incoming English language learner students to help inform instruction.

STAR Enterprise™ assessments can also be used to monitor student growth throughout the year, to estimate students’ understanding of state standards, and predict students’ performance on the state test. In addition, STAR can help teachers determine appropriate instructional levels and skills that students are ready to learn.

What kind of score does my child get?

For every STAR assessment, your child receives a **scaled score (SS)**, which is based on the difficulty of the questions and the number of correct answers. Scaled scores are useful for comparing your child’s performance over time and across grades. STAR Reading and STAR Math scaled scores range from 0–1400. STAR Early Literacy Enterprise scaled scores range from 300–900. For STAR Reading Spanish, the Spanish scaled scores range from 0–780.

STAR offers educators a variety of scores and reports. Some STAR scores compare your child’s performance to a specific criteria or to a standard (criterion-referenced scores). STAR Enterprise reports also include scores which compare your child’s performance to other students who have taken the same test (norm-referenced scores). The criterion- and norm-referenced scores are based on the scaled score



Benchmarks, Cut Scores, and Growth Rates

To interpret screening results, schools often use benchmarks and cut scores. These scores help educators identify which students require some form of intervention to accelerate growth and move toward proficiency, and which students are already high performing.

Please note: the table below includes benchmarks for a specific point in time. For the most precise benchmarks based on the exact day(s) your students were tested, rely on the STAR™ reports.

Benchmarks are the minimum performance levels students are expected to reach by certain points of the year in order to meet end-of-year performance goals. The end-of-year benchmark typically represents the minimum level of performance required by state or local standards. Benchmarks are always grade specific, e.g., the 3rd grade benchmark.

A **cut score** is used to determine which students may need additional assistance to move toward the end-of-year benchmark.

Moderate growth rate is the amount a typical student is expected to grow per week. Based on national data, 50 percent of the students who started at this level were able to achieve this growth rate. Student Growth Percentile (SGP), now found on the Growth Report, can also help an educator determine if a student is growing adequately between screening windows.

Grade	Percentile	Fall September		Winter January		Spring May		Moderate Growth Rate
		Scaled Score	Est. ORF ^a	Scaled Score	Est. ORF ^a	Scaled Score	Est. ORF ^a	Scaled Score/ Week
1	10	64	9	71	15	78	19	1.4
	20	67	12	76	18	88	25	1.8
	25	69	13	79	20	95	28	2.4
	40	73	16	87	25	133	37	3.0
	50	76	18	95	28	164	44	3.9
	75	98	29	170	46	251	68	5.5
	90	205	56	269	73	339	89	4.7
2	10	87	26	107	32	164	43	2.3
	20	106	31	162	42	217	56	4.3
	25	126	35	183	47	239	61	4.5
	40	189	49	239	61	291	76	4.2
	50	224	58	274	71	327	86	4.0
	75	322	84	370	98	427	112	3.5
	90	410	108	465	122	525	142	3.3

Grade	Percentile	Fall September		Winter January		Spring May		Moderate Growth Rate
		Scaled Score	Est. ORF ^a	Scaled Score	Est. ORF ^a	Scaled Score	Est. ORF ^a	Scaled Score/ Week
3	10	177	48	215	54	255	61	3.2
	20	235	57	272	65	311	73	3.4
	25	259	62	294	70	334	78	3.3
	40	319	75	357	84	393	95	3.2
	50	357	84	392	95	436	105	3.2
	75	461	111	500	120	547	132	2.9
	90	561	136	613	150	673	161	2.8
4	10	265	61	287	66	318	73	2.8
	20	324	74	353	81	379	88	2.8
	25	350	80	375	87	406	95	2.8
	40	415	96	449	104	476	110	2.7
	50	458	106	487	112	520	120	2.5
	75	568	131	612	139	659	147	2.8
	90	689	152	774	176	853	190	3.3
5	10	337		363		386		2.7
	20	411		441		463		2.5
	25	444		465		492		2.4
	40	514		544		573		2.4
	50	560		592		630		2.5
	75	707		779		846		3.4
	90	900		955		1048		2.6
6	10	414		439		459		2.4
	20	494		518		544		2.1
	25	525		554		578		2.2
	40	614		647		684		2.2
	50	671		716		779		2.5
	75	897		939		997		2.1
	90	1098		1185		1251		2.8
7	10	464		474		497		2.3
	20	552		570		596		2.1
	25	585		611		638		2.1
	40	696		736		790		2.4
	50	795		843		884		2.5
	75	1026		1103		1175		2.4
	90	1266		1302		1323		1.2
8	10	517		536		557		2.3
	20	621		646		675		2.1
	25	665		696		729		2.3
	40	830		865		899		2.4
	50	908		942		979		1.8
	75	1202		1241		1288		1.3
	90	1327		1335		1342		0.3

Grade	Percentile	Fall September		Winter January		Spring May		Moderate Growth Rate
		Scaled Score	Est. ORF ^a	Scaled Score	Est. ORF ^a	Scaled Score	Est. ORF ^a	Scaled Score/ Week
9	10	580		606		630		2.0
	20	699		727		769		1.9
	25	773		802		836		2.0
	40	911		934		963		1.4
	50	991		1044		1092		1.6
	75	1295		1295		1312		0.4
	90	1343		1343		1344		0.1
10	10	637		637		638		2.0
	20	777		777		795		2.2
	25	844		844		860		1.6
	40	968		974		1001		1.3
	50	1101		1118		1154		1.9
	75	1315		1317		1323		0.2
	90	1344		1344		1344		< .01
11	10	643		652		671		1.8
	20	802		822		843		1.6
	25	866		882		897		1.1
	40	1012		1040		1064		0.9
	50	1161		1170		1185		1.1
	75	1325		1325		1329		< .01
	90	1344		1344		1344		< .01
12	10	675		683		702		1.6
	20	865		873		880		1.2
	25	917		920		924		0.6
	40	1122		1133		1143		0.7
	50	1219		1226		1233		0.4
	75	1332		1336		1339		< .01
	90	1345		1345		1345		< .01

a. Est. ORF: Estimated Oral Reading Fluency is only reported for grades 1–4.



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A **cut score** is used to determine which students may need additional assistance to move toward the end-of-year benchmark.

Moderate growth rate is the amount a typical student is expected to grow per week. Based on national data, 50 percent of the students who started at this level were able to achieve this growth rate. Student Growth Percentile (SGP), now found on the Growth Report, can also help an educator determine if a student is growing adequately between screening windows. High school level data is still being analyzed and will be available soon.

Grade	Percentile	Fall September	Winter January	Spring May	Moderate Growth Rate
		Scaled Score	Scaled Score	Scaled Score	Scaled Score/ Week
1	10	151	215	278	5.8
	20	188	253	318	5.1
	25	202	267	333	4.7
	40	238	302	367	4.4
	50	263	327	390	4.1
	75	327	389	451	3.5
	90	390	449	508	3.2
2	10	297	349	402	4.2
	20	341	389	438	3.8
	25	357	403	449	3.7
	40	394	438	482	3.6
	50	414	458	502	3.5
	75	467	512	558	3.2
	90	515	562	609	3.0

		Fall September	Winter January	Spring May	Moderate Growth Rate
Grade	Percentile	Scaled Score	Scaled Score	Scaled Score	Scaled Score/ Week
3	10	390	430	469	3.9
	20	429	473	518	3.6
	25	443	488	534	3.3
	40	479	525	571	3.2
	50	500	547	593	3.1
	75	552	599	646	2.7
	90	600	646	692	2.4
4	10	462	497	532	3.3
	20	511	544	577	2.8
	25	527	560	594	2.6
	40	563	591	631	2.5
	50	585	620	654	2.5
	75	641	676	711	2.3
	90	689	724	759	2.2
5	10	523	552	582	2.7
	20	571	601	631	2.2
	25	588	617	647	2.2
	40	628	657	687	2.1
	50	650	680	710	2.1
	75	711	739	767	2.0
	90	763	791	820	1.7
6	10	579	607	636	2.2
	20	631	655	679	1.8
	25	649	673	696	1.7
	40	694	715	737	1.6
	50	718	741	763	1.6
	75	786	805	823	1.1
	90	831	858	884	1.0
7	10	607	627	647	2.0
	20	660	678	696	1.6
	25	682	698	713	1.4
	40	728	744	760	1.3
	50	757	773	790	1.1
	75	821	837	852	0.8
	90	876	896	917	0.6
8	10	623	642	661	2.0
	20	685	703	721	1.6
	25	708	724	739	1.4
	40	758	771	785	1.2
	50	790	803	816	0.9
	75	856	873	890	0.6
	90	920	938	956	0.3

Grade	Percentile	Fall September	Winter January	Spring May	Moderate Growth Rate
		Scaled Score	Scaled Score	Scaled Score	Scaled Score/ Week
9	10	640	660	680	1.7
	20	701	715	730	1.4
	25	720	734	748	1.4
	40	775	784	794	1.1
	50	802	811	820	0.9
	75	865	878	892	0.4
	90	930	946	963	0.2
10	10	639	658	677	1.7
	20	702	716	730	1.4
	25	723	736	749	1.4
	40	780	790	800	1.1
	50	806	816	826	0.8
	75	871	884	897	0.4
	90	935	953	971	0.3
11	10	687	689	696	1.5
	20	737	744	747	1.4
	25	755	762	767	1.0
	40	803	809	815	0.7
	50	828	833	840	0.6
	75	899	906	911	0.2
	90	974	977	981	0.1
12	10	699	704	706	1.4
	20	748	750	755	1.1
	25	770	774	779	0.7
	40	818	822	830	0.4
	50	843	848	852	0.3
	75	915	919	922	< .01
	90	989	989	996	< .01



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