

# Enterprise Benchmarks and Cut Scores

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 benchmark, and which students are already at or above benchmark.

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<sup>®</sup> reports.

**Benchmarks** are grade-specific minimum performance levels that students are expected to reach by certain points of the year in order to meet end-of-year performance goals. A Percentile Rank (PR) of 40 is a **cut score** that serves as a proficiency benchmark; students whose test scores place them in a Percentile Rank of 40 or higher will likely meet end-of-year performance goals as defined by the state or local standards. Cut scores of PR 25 and PR 10 also serve as benchmarks—however, these benchmarks are used to help teachers determine appropriate instruction for different groups of students.

## Star Math Enterprise Benchmarks and Cut Scores<sup>a</sup>

a. The Star Math benchmarks are based on 2017 norms.

b. Below 10 - Urgent Intervention; Below 25 - Intervention; At/Above 40 - Benchmark.

Grade	Percentile <sup>b</sup>	Fall (September)	Winter (January)	Spring (May)
		Scaled Score	Scaled Score	Scaled Score
1	10	151	209	266
	20	188	248	307
	25	204	263	321
	40	240	299	357
	50	264	323	380
	60	292	347	404
	75	331	386	442
	90	393	447	499
2	10	300	347	393
	20	344	386	430
	25	360	401	442
	40	396	435	476
	50	416	456	495
	60	435	476	516
	75	469	510	551
	90	518	560	603

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Grade	Percentile <sup>b</sup>	Fall (September)	Winter (January)	Spring (May)
		Scaled Score	Scaled Score	Scaled Score
3	10	393	429	465
	20	432	473	512
	25	447	487	528
	40	482	523	565
	50	502	544	586
	60	523	565	606
	75	556	598	640
	90	604	645	686
4	10	466	497	528
	20	515	544	573
	25	531	560	590
	40	567	598	627
	50	590	621	651
	60	611	642	673
	75	645	677	708
	90	694	726	757
5	10	528	554	580
	20	575	603	629
	25	593	619	647
	40	634	660	684
	50	655	681	708
	60	677	703	728
	75	716	741	767
	90	770	795	819
6	10	583	609	634
	20	637	658	679
	25	655	674	695
	40	699	718	738
	50	723	744	764
	60	749	769	788
	75	790	808	824
	90	835	858	882
7	10	612	630	647
	20	668	682	697
	25	689	702	715
	40	736	749	764
	50	765	778	793
	60	791	804	817
	75	830	843	858
	90	879	899	916
8	10	630	647	663
	20	692	707	723
	25	713	726	741
	40	767	780	791
	50	796	809	821
	60	824	835	848
	75	866	881	894
	90	923	941	959

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Grade	Percentile <sup>b</sup>	Fall (September)	Winter (January)	Spring (May)
		Scaled Score	Scaled Score	Scaled Score
9	10	643	661	679
	20	705	716	729
	25	725	738	749
	40	780	788	796
	50	806	814	822
	60	829	838	850
	75	871	882	892
	90	931	947	964
10	10	638	656	674
	20	703	715	728
	25	725	736	749
	40	782	791	801
	50	808	817	827
	60	834	845	855
	75	876	887	899
	90	938	954	970
11	10	684	689	695
	20	736	741	747
	25	754	760	767
	40	803	809	816
	50	829	835	842
	60	853	861	868
	75	899	905	912
	90	973	978	983
12	10	695	700	703
	20	747	751	754
	25	770	775	780
	40	817	824	829
	50	843	848	855
	60	869	876	882
	75	913	918	921
	90	990	994	999

