

Unified 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[®] 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 Unified Benchmarks and Cut Scores^a

a. The Star Math benchmarks are based on 2022 norms.
 b. Below 10 - Urgent Intervention; Below 25 - Intervention; At/Above 40 - Benchmark.

Grade	Percentile ^b	Fall (September)	Winter (January)	Spring (May)
		Scaled Score	Scaled Score	Scaled Score
K	10	670	695	720
	20	685	715	744
	25	691	722	753
	40	706	741	776
	50	717	753	789
	75	750	786	823
	90	790	822	853
1	10	700	736	772
	20	723	760	797
	25	732	769	806
	40	755	792	828
	50	771	807	842
	75	812	846	880
	90	850	883	915

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Grade	Percentile ^b	Fall (September)	Winter (January)	Spring (May)
		Scaled Score	Scaled Score	Scaled Score
2	10	793	821	850
	20	820	846	872
	25	829	854	880
	40	852	876	901
	50	864	888	913
	75	897	922	947
	90	928	954	980
3	10	849	872	895
	20	874	899	924
	25	883	908	933
	40	905	930	956
	50	917	943	968
	75	950	976	1002
	90	980	1005	1030
4	10	895	914	933
	20	925	943	960
	25	934	952	970
	40	957	976	994
	50	971	990	1009
	75	1005	1025	1044
	90	1036	1055	1075
5	10	933	949	965
	20	962	979	995
	25	974	990	1005
	40	998	1014	1029
	50	1012	1028	1044
	75	1050	1066	1081
	90	1083	1098	1113
6	10	968	983	998
	20	1001	1014	1026
	25	1012	1024	1036
	40	1039	1051	1063
	50	1055	1067	1080
	75	1095	1106	1117
	90	1122	1137	1152
7	10	986	996	1007
	20	1020	1029	1037
	25	1032	1041	1049
	40	1062	1071	1079
	50	1080	1088	1096
	75	1120	1128	1137
	90	1149	1161	1172

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		Fall (September)	Winter (January)	Spring (May)
Grade	Percentile ^b	Scaled Score	Scaled Score	Scaled Score
8	10	997	1007	1016
	20	1035	1044	1053
	25	1049	1057	1065
	40	1082	1088	1095
	50	1099	1107	1114
	75	1143	1150	1158
	90	1176	1187	1198
9	10	1005	1015	1025
	20	1043	1050	1058
	25	1055	1062	1070
	40	1089	1094	1098
	50	1105	1110	1115
	75	1145	1151	1157
	90	1181	1191	1201
10	10	1002	1012	1023
	20	1042	1049	1056
	25	1055	1062	1070
	40	1090	1095	1101
	50	1106	1111	1117
	75	1148	1155	1161
	90	1186	1196	1206
11	10	1029	1032	1035
	20	1061	1064	1067
	25	1073	1076	1080
	40	1103	1106	1109
	50	1118	1122	1126
	75	1161	1165	1169
	90	1207	1210	1212
12	10	1036	1038	1039
	20	1068	1070	1072
	25	1081	1084	1087
	40	1111	1114	1117
	50	1127	1130	1132
	75	1171	1172	1173
	90	1218	1219	1221

