

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 2017 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
1	10	700	736	770
	20	722	759	795
	25	733	769	805
	40	755	791	826
	50	769	806	840
	75	811	845	879
	90	848	881	913
2	10	792	820	848
	20	819	845	871
	25	828	853	879
	40	851	875	899
	50	862	887	912
	75	895	921	946
	90	926	951	977

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Grade	Percentile ^b	Fall (September)	Winter (January)	Spring (May)
		Scaled Score	Scaled Score	Scaled Score
3	10	848	870	893
	20	873	898	921
	25	881	907	932
	40	904	929	954
	50	915	941	968
	75	949	974	1001
	90	979	1004	1029
4	10	893	912	932
	20	923	941	960
	25	934	951	969
	40	955	974	993
	50	969	988	1007
	75	1004	1024	1043
	90	1033	1054	1072
5	10	932	948	963
	20	960	977	993
	25	971	988	1004
	40	996	1013	1027
	50	1010	1026	1043
	75	1047	1063	1078
	90	1080	1096	1111
6	10	965	982	996
	20	999	1012	1024
	25	1010	1021	1035
	40	1036	1049	1060
	50	1052	1064	1077
	75	1092	1103	1114
	90	1120	1134	1150
7	10	983	994	1004
	20	1018	1027	1035
	25	1030	1038	1046
	40	1060	1068	1077
	50	1077	1086	1094
	75	1117	1125	1134
	90	1147	1159	1170

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		Fall (September)	Winter (January)	Spring (May)
Grade	Percentile ^b	Scaled Score	Scaled Score	Scaled Score
8	10	994	1004	1015
	20	1032	1041	1052
	25	1046	1054	1063
	40	1078	1086	1094
	50	1097	1105	1111
	75	1139	1148	1156
	90	1175	1186	1197
9	10	1002	1013	1024
	20	1041	1047	1055
	25	1052	1060	1068
	40	1086	1091	1097
	50	1102	1108	1113
	75	1142	1150	1156
	90	1180	1189	1200
10	10	999	1010	1021
	20	1040	1046	1055
	25	1052	1060	1068
	40	1088	1094	1100
	50	1103	1110	1116
	75	1145	1153	1159
	90	1184	1194	1203
11	10	1027	1030	1035
	20	1060	1063	1066
	25	1071	1074	1078
	40	1100	1105	1108
	50	1116	1120	1125
	75	1159	1164	1167
	90	1206	1209	1212
12	10	1035	1038	1040
	20	1066	1069	1071
	25	1080	1083	1086
	40	1110	1114	1116
	50	1125	1128	1133
	75	1169	1172	1173
	90	1215	1218	1222

