

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 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.

Reading Unified Benchmarks and Cut Scores^a

a. The Reading benchmarks are based on 2022 norms.
 b. Below 10 - Urgent Intervention; Below 25 - Intervention; At/Above 40 - Benchmark.
 c. Est. ORF: Estimated Oral Reading Fluency is only reported for grades 1–4.

Grade	Percentile ^b	Fall (September)		Winter (January)		Spring (May)	
		Scaled Score	Est. ORF ^c	Scaled Score	Est. ORF ^c	Scaled Score	Est. ORF ^c
Pre-K	10	562	–	585	–	608	–
	20	585	–	611	–	636	–
	25	596	–	622	–	648	–
	40	622	–	648	–	675	–
	50	642	–	666	–	689	–
	75	687	–	708	–	729	–
	90	724	–	746	–	768	–
K	10	620	–	664	–	708	–
	20	649	–	690	–	732	–
	25	661	–	701	–	741	–
	40	688	–	728	–	768	–
	50	701	–	742	–	783	–
	75	739	–	783	–	826	–
	90	779	–	823	–	867	–

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Renaissance Star Reading and Star Early Literacy: Unified Benchmarks and Cut Scores

Grade	Percentile ^b	Fall (September)		Winter (January)		Spring (May)	
		Scaled Score	Est. ORF ^c	Scaled Score	Est. ORF ^c	Scaled Score	Est. ORF ^c
1	10	688	0	723	8	758	15
	20	717	7	753	15	788	22
	25	728	9	764	17	799	24
	40	750	14	789	22	828	31
	50	765	17	805	25	846	38
	75	817	28	855	42	893	62
	90	873	52	906	69	939	86
2	10	792	24	820	29	847	38
	20	822	30	850	39	878	52
	25	834	32	862	44	889	57
	40	868	47	893	59	919	73
	50	887	56	912	69	937	83
	75	938	84	960	97	982	111
	90	978	109	998	121	1019	139
3	10	865	48	884	54	902	59
	20	896	57	914	65	932	73
	25	909	63	926	70	943	78
	40	940	76	955	85	970	95
	50	957	85	972	96	986	105
	75	1000	112	1014	121	1028	132
	90	1035	138	1049	150	1063	161
4	10	914	63	926	68	938	73
	20	944	76	956	84	967	89
	25	955	83	967	89	978	96
	40	983	99	995	105	1006	111
	50	1000	108	1011	115	1021	121
	75	1039	134	1051	141	1063	148
	90	1071	154	1084	178	1098	190
5	10	950	-	961	-	972	-
	20	982	-	992	-	1002	-
	25	994	-	1003	-	1013	-
	40	1022	-	1031	-	1041	-
	50	1037	-	1047	-	1057	-
	75	1076	-	1087	-	1097	-
	90	1110	-	1122	-	1134	-

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Renaissance Star Reading and Star Early Literacy: Unified Benchmarks and Cut Scores

Grade	Percentile ^b	Fall (September)		Winter (January)		Spring (May)	
		Scaled Score	Est. ORF ^c	Scaled Score	Est. ORF ^c	Scaled Score	Est. ORF ^c
6	10	984	–	992	–	1001	–
	20	1015	–	1023	–	1031	–
	25	1027	–	1035	–	1043	–
	40	1053	–	1062	–	1071	–
	50	1069	–	1078	–	1088	–
	75	1110	–	1120	–	1130	–
	90	1143	–	1154	–	1164	–
7	10	1004	–	1010	–	1016	–
	20	1035	–	1042	–	1048	–
	25	1047	–	1054	–	1060	–
	40	1075	–	1082	–	1089	–
	50	1092	–	1099	–	1106	–
	75	1135	–	1144	–	1153	–
	90	1172	–	1180	–	1188	–
8	10	1024	–	1031	–	1037	–
	20	1056	–	1063	–	1069	–
	25	1068	–	1075	–	1081	–
	40	1098	–	1105	–	1111	–
	50	1116	–	1122	–	1128	–
	75	1160	–	1167	–	1174	–
	90	1194	–	1203	–	1213	–
9	10	1044	–	1051	–	1057	–
	20	1076	–	1081	–	1087	–
	25	1088	–	1093	–	1098	–
	40	1117	–	1121	–	1126	–
	50	1133	–	1138	–	1143	–
	75	1178	–	1181	–	1184	–
	90	1213	–	1214	–	1215	–
10	10	1059	–	1059	–	1060	–
	20	1087	–	1089	–	1091	–
	25	1099	–	1102	–	1104	–
	40	1127	–	1130	–	1132	–
	50	1145	–	1148	–	1150	–
	75	1186	–	1189	–	1192	–
	90	1216	–	1217	–	1219	–

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Grade	Percentile ^b	Fall (September)		Winter (January)		Spring (May)	
		Scaled Score	Est. ORF ^c	Scaled Score	Est. ORF ^c	Scaled Score	Est. ORF ^c
11	10	1059	-	1063	-	1066	-
	20	1091	-	1095	-	1098	-
	25	1104	-	1107	-	1110	-
	40	1133	-	1136	-	1139	-
	50	1152	-	1154	-	1156	-
	75	1194	-	1196	-	1198	-
	90	1220	-	1220	-	1220	-
12	10	1066	-	1070	-	1073	-
	20	1103	-	1104	-	1106	-
	25	1115	-	1116	-	1118	-
	40	1146	-	1147	-	1148	-
	50	1162	-	1163	-	1164	-
	75	1201	-	1203	-	1205	-
	90	1227	-	1227	-	1227	-

