

IXL's Diagnostic in Grades K-12



This guide presents national norms for IXL's Diagnostic in math and language arts.



ABOUT IXL'S DIAGNOSTIC FOR BENCHMARKING

IXL's Diagnostic can be used in Snapshot mode as a benchmark assessment. The Snapshot provides information on students' grade-level proficiency in math and language arts overall, and in key strands. School and district administrators can use the Diagnostic Snapshot multiple times during the year to track students' progress and achievement.

INTERPRETING IXL DIAGNOSTIC SCORES

IXL Diagnostic scores are both criterion referenced and norm referenced.

Criterion-referenced scores: IXL Diagnostic scores correspond to grade levels. For example, a score of 350 indicates that the student has acquired about 50% of third-grade material, whereas a score of 400 indicates that the student is ready to learn fourth-grade material.

National norms: The IXL Diagnostic is also nationally normed, to provide educators with additional information and context on their students' performance compared to their peers nationwide. The tables that follow show IXL Diagnostic scores by grade and corresponding percentile ranks.

SEE NATIONAL NORMS DIRECTLY IN IXL ANALYTICS

School and district administrators can see students' percentile ranks directly within their [Diagnostic Levels](#) and [Diagnostic Strands](#) reports.



HOW TO USE THE NATIONAL NORMS TABLES

1. Find the time of year your students completed the Snapshot. IXL Diagnostic administration periods include beginning of year (BOY; August-November), middle of year (MOY; December-February), or end of year (EOY; March-June).
2. Go to the relevant page for math or ELA.
Note: Norms tables for overall scores appear below; for specific strands, refer to the table of contents in the full [report](#).
3. Follow the student's grade column to their IXL Diagnostic score (or the nearest number).
4. The bolded number in the first column on the left is the student's percentile rank.
5. Interpret the student's performance relative to the national norm. For example, if a 5th grader is at the 65th percentile, they scored higher than 65% of US 5th graders.

Beginning-of-Year Mathematics

Table A. Beginning-of-Year Math: Overall

Percentile	K	1	2	3	4	5	6	7	8
1	-	10	20	50	70	100	110	140	160
5	-	30	60	100	160	220	240	280	310
10	10	40	80	140	210	270	290	340	370
15	10	50	90	170	240	300	330	370	420
20	20	60	110	190	270	320	350	400	450
25	20	70	130	210	280	340	380	430	480
30	20	70	140	220	300	360	400	460	510
35	30	80	150	230	310	370	410	480	540
40	30	80	170	240	320	390	430	500	560
45	40	90	180	250	330	400	450	520	590
50	40	90	190	260	350	410	470	540	610
55	40	100	200	270	360	420	480	560	630
60	50	100	200	280	370	440	500	580	650
65	50	110	210	290	380	450	520	610	680
70	60	120	220	300	390	460	540	630	700
75	60	140	230	310	400	480	560	650	720
80	70	150	240	320	410	500	580	680	750
85	80	160	250	330	430	510	600	700	780
90	80	180	270	350	440	540	640	740	820
95	100	210	290	370	470	580	690	790	870
99	170	280	350	430	550	680	780	900	980

Beginning-of-Year ELA

Table B. Beginning-of-Year ELA: Overall

Percentile	K	1	2	3	4	5	6	7	8
1	-	-	20	30	50	70	70	80	90
5	-	20	50	80	110	160	160	210	240
10	-	30	70	100	170	210	230	280	310
15	-	40	90	130	200	250	270	330	370
20	-	50	100	160	230	280	300	370	420
25	10	60	110	180	250	310	330	410	460
30	10	70	120	200	270	330	360	440	510
35	20	70	140	210	290	350	390	480	550
40	20	80	150	230	310	370	410	510	590
45	20	90	170	240	320	400	440	550	630
50	30	90	180	260	340	420	470	580	660
55	30	100	190	270	360	440	490	610	700
60	40	100	200	280	380	470	520	650	740
65	40	110	220	300	400	490	550	680	770
70	50	130	230	310	420	520	590	710	810
75	50	140	240	330	450	550	620	750	850
80	60	150	260	360	480	590	660	790	900
85	70	180	280	390	510	630	700	840	950
90	80	200	300	420	560	680	750	900	1020
95	100	240	350	480	630	760	840	1000	1110
99	200	330	480	620	770	920	1020	1160	1210

Middle-of-Year Mathematics

Table C. Middle-of-Year Math: Overall

Percentile	K	1	2	3	4	5	6	7	8
1	10	30	50	70	100	140	170	180	200
5	20	50	90	140	200	250	290	300	330
10	30	70	120	190	250	300	340	360	400
15	40	80	150	220	280	330	380	400	450
20	40	90	170	240	300	350	410	430	490
25	50	90	180	250	320	370	430	460	520
30	50	100	200	260	340	390	450	490	550
35	60	110	210	280	350	410	470	510	570
40	60	120	220	290	360	420	490	540	600
45	70	130	220	300	370	440	510	560	620
50	70	140	230	310	380	450	530	580	650
55	70	150	240	310	390	470	550	600	670
60	80	160	250	320	400	480	560	620	690
65	80	170	250	330	420	500	580	640	710
70	90	180	260	340	430	510	600	660	740
75	90	190	270	350	440	530	620	690	760
80	90	200	280	360	450	540	640	710	790
85	100	210	290	380	470	560	660	740	820
90	120	230	300	390	490	590	690	770	850
95	150	250	330	420	520	630	730	820	910
99	220	300	390	480	590	720	830	930	990

Middle-of-Year ELA

Table D. Middle-of-Year ELA: Overall

Percentile	K	1	2	3	4	5	6	7	8
1	-	10	40	60	70	90	90	100	120
5	10	40	80	110	150	190	210	230	270
10	20	60	100	150	210	250	280	310	340
15	20	70	120	180	240	290	320	360	400
20	30	80	140	210	270	330	360	410	460
25	30	90	160	230	300	360	400	450	500
30	40	100	170	250	320	380	430	490	550
35	50	100	190	260	340	410	470	530	590
40	50	110	200	280	360	430	490	560	630
45	60	120	210	290	380	460	520	600	670
50	60	130	220	310	400	480	550	640	710
55	70	140	230	320	420	510	580	670	750
60	70	150	250	340	440	530	610	700	780
65	80	160	260	350	460	560	640	740	820
70	80	180	270	370	480	590	670	770	860
75	90	190	290	390	510	620	700	810	900
80	100	200	300	410	540	650	740	850	940
85	100	220	330	440	580	690	780	900	1000
90	120	240	350	480	630	740	830	960	1070
95	160	280	400	540	690	820	930	1060	1150
99	260	380	520	680	830	1000	1110	1200	1240

End-of-Year Mathematics

Table E. End-of-Year Math: Overall

Percentile	K	1	2	3	4	5	6	7	8
1	10	40	70	90	130	170	190	190	210
5	30	70	120	180	230	280	310	320	350
10	50	90	160	220	280	320	370	380	420
15	60	100	190	250	310	360	410	430	470
20	60	120	200	270	340	380	440	470	510
25	70	130	220	290	360	410	470	500	550
30	70	150	230	300	370	430	490	530	580
35	80	160	240	320	390	450	510	560	610
40	80	170	250	330	400	470	530	580	640
45	90	180	250	340	420	490	550	600	660
50	90	180	260	350	430	500	570	630	690
55	90	190	270	360	440	520	590	650	710
60	100	200	280	370	450	530	610	670	740
65	110	210	290	380	470	550	630	690	760
70	120	220	290	390	480	570	650	720	780
75	130	230	300	400	490	580	670	740	810
80	140	240	310	410	510	600	690	770	840
85	150	250	320	420	520	620	710	790	870
90	170	260	340	440	540	650	740	830	900
95	190	280	370	470	580	690	780	880	950
99	250	340	430	540	690	810	890	980	1040

End-of-Year ELA

Table F. End-of-Year ELA: Overall

Percentile	K	1	2	3	4	5	6	7	8
1	-	20	50	70	80	90	90	100	130
5	20	60	90	120	170	200	220	240	270
10	30	80	120	170	230	270	290	320	360
15	40	90	150	210	260	310	340	370	420
20	50	100	170	230	290	340	390	420	480
25	60	110	190	250	320	370	430	470	530
30	70	120	200	270	340	410	460	510	570
35	70	130	220	290	370	430	500	550	620
40	80	150	230	300	390	460	530	590	660
45	80	160	240	320	410	490	560	630	700
50	90	170	250	340	430	510	590	660	740
55	90	180	270	350	450	540	630	700	780
60	100	190	280	370	480	570	660	730	810
65	100	200	290	390	500	600	690	770	850
70	110	210	310	410	530	630	720	810	890
75	120	230	320	430	550	660	750	840	930
80	130	240	340	450	590	690	790	890	980
85	150	260	370	490	630	730	830	940	1040
90	170	280	400	530	680	780	890	1010	1100
95	200	320	460	600	750	870	1000	1110	1180
99	290	420	580	750	900	1070	1170	1220	1260

High School

Table G1. Math: Overall

Percentile	Grade 9			Grade 10			Grade 11			Grade 12		
	BOY	MOY	EOY	BOY	MOY	EOY	BOY	MOY	EOY	BOY	MOY	EOY
1	120	170	170	170	180	180	160	190	190	100	120	100
5	290	320	330	320	330	340	330	340	350	300	300	300
10	360	390	410	390	410	420	400	420	430	380	390	390
15	400	440	460	440	460	480	450	480	490	440	450	460
20	440	480	500	470	500	520	490	520	540	490	500	500
25	470	510	540	510	540	560	530	560	580	520	530	540
30	500	540	570	540	560	590	560	590	610	560	570	580
35	530	570	600	560	590	620	590	620	640	590	600	610
40	550	590	620	590	620	640	610	640	670	620	630	640
45	580	620	650	610	640	670	640	670	690	640	660	670
50	600	640	670	640	670	690	660	700	720	670	680	700
55	630	660	690	660	690	710	690	720	740	700	710	730
60	650	690	720	690	720	740	710	740	770	720	740	760
65	680	710	740	710	740	760	740	770	800	750	770	780
70	700	730	770	740	770	790	760	800	830	780	800	820
75	730	760	790	760	790	820	790	830	860	810	830	850
80	760	790	820	790	830	850	820	860	890	840	860	890
85	790	820	850	820	860	890	860	900	930	890	910	940
90	830	860	890	860	910	940	900	940	980	930	960	990
95	890	910	950	920	970	1010	970	1010	1060	1020	1060	1080
99	990	1010	1050	1040	1090	1130	1110	1130	1190	1180	1200	1210

Note. BOY = beginning of year; MOY = middle of year; EOY = end of year

High School

Table G2. ELA: Overall

Percentile	Grade 9			Grade 10			Grade 11			Grade 12		
	BOY	MOY	EOY	BOY	MOY	EOY	BOY	MOY	EOY	BOY	MOY	EOY
1	80	80	90	90	100	100	110	130	140	90	100	90
5	230	240	250	250	260	270	280	290	300	270	270	270
10	320	330	340	350	370	370	380	390	400	380	380	370
15	390	390	410	420	440	440	460	470	480	460	460	450
20	440	450	470	490	510	510	530	530	550	540	540	520
25	490	500	520	540	570	570	590	600	610	600	610	590
30	550	550	570	600	620	630	650	660	670	670	670	660
35	590	600	620	650	670	680	710	710	720	720	720	710
40	640	650	670	700	720	730	760	760	770	780	770	760
45	680	690	720	740	770	780	800	800	820	830	820	820
50	720	740	760	790	810	830	840	850	860	870	870	860
55	760	780	810	830	860	870	890	890	910	910	920	910
60	800	820	850	870	900	920	920	930	950	950	960	960
65	840	860	890	910	940	960	960	970	1000	990	1000	1000
70	880	910	940	950	980	1000	1000	1020	1040	1030	1040	1040
75	930	950	990	990	1020	1040	1040	1060	1080	1070	1070	1080
80	970	1000	1040	1030	1060	1080	1070	1100	1120	1100	1110	1120
85	1020	1060	1090	1080	1110	1130	1110	1130	1160	1140	1150	1150
90	1080	1110	1140	1130	1150	1170	1160	1170	1190	1180	1180	1190
95	1160	1180	1200	1190	1200	1210	1200	1210	1220	1210	1220	1220
99	1240	1250	1270	1240	1270	1290	1260	1280	1290	1280	1300	1300

Note. BOY = beginning of year; MOY = middle of year; EOY = end of year