

# IXL Flex Diagnostic in Grades K-12

This guide presents national norms for the IXL Flex Diagnostic in math and language arts.



## ABOUT THE IXL FLEX DIAGNOSTIC IN BENCHMARK MODE

The IXL Diagnostic can be used in Benchmark mode to assess students' grade-level proficiency across every strand in math and ELA. School and district administrators can use the Benchmark 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 3rd-grade material, whereas a score of 400 indicates that the student is ready to learn 4th-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.



## HOW TO USE THE NATIONAL NORMS TABLES

1. Find the time of year your students completed the Benchmark. 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.
4. The 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 K-8

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**Table A. Beginning-of-Year Math: Overall**

| Percentile | K  | 1  | 2   | 3   | 4   | 5   | 6   | 7   | 8   |
|------------|----|----|-----|-----|-----|-----|-----|-----|-----|
| 1          | -  | -  | 20  | 50  | 70  | 100 | 110 | 140 | 160 |
| 2          | -  | 10 | 40  | 70  | 100 | 150 | 170 | 200 | 230 |
| 3          | -  | 20 | 50  | 80  | 120 | 180 | 200 | 240 | 260 |
| 4          | -  | 20 | 60  | 90  | 140 | 200 | 220 | 260 | 290 |
| 5          | -  | 30 | 60  | 100 | 160 | 220 | 240 | 280 | 310 |
| 6          | -  | 30 | 70  | 110 | 180 | 230 | 250 | 290 | 320 |
| 7          | -  | 30 | 70  | 120 | 190 | 240 | 270 | 310 | 340 |
| 8          | -  | 30 | 70  | 130 | 200 | 250 | 280 | 320 | 350 |
| 9          | -  | 40 | 80  | 130 | 210 | 260 | 290 | 330 | 360 |
| 10         | -  | 40 | 80  | 140 | 210 | 270 | 290 | 340 | 370 |
| 11         | -  | 40 | 80  | 150 | 220 | 280 | 300 | 340 | 380 |
| 12         | -  | 40 | 90  | 150 | 230 | 280 | 310 | 350 | 390 |
| 13         | -  | 50 | 90  | 160 | 230 | 290 | 310 | 360 | 400 |
| 14         | -  | 50 | 90  | 170 | 240 | 290 | 320 | 370 | 410 |
| 15         | -  | 50 | 90  | 170 | 240 | 300 | 330 | 370 | 420 |
| 16         | -  | 50 | 100 | 170 | 250 | 300 | 330 | 380 | 420 |
| 17         | -  | 50 | 100 | 180 | 250 | 310 | 340 | 390 | 430 |
| 18         | 10 | 60 | 100 | 180 | 260 | 310 | 340 | 390 | 440 |
| 19         | 20 | 60 | 100 | 190 | 260 | 320 | 350 | 400 | 440 |
| 20         | 20 | 60 | 110 | 190 | 270 | 320 | 350 | 400 | 450 |
| 21         | 20 | 60 | 110 | 190 | 270 | 330 | 360 | 410 | 460 |
| 22         | 20 | 60 | 120 | 200 | 270 | 330 | 360 | 410 | 460 |
| 23         | 20 | 60 | 120 | 200 | 280 | 330 | 370 | 420 | 470 |
| 24         | 20 | 60 | 120 | 200 | 280 | 340 | 370 | 430 | 480 |
| 25         | 20 | 70 | 130 | 210 | 280 | 340 | 380 | 430 | 480 |
| 26         | 20 | 70 | 130 | 210 | 290 | 340 | 380 | 440 | 490 |
| 27         | 20 | 70 | 130 | 210 | 290 | 350 | 380 | 440 | 490 |
| 28         | 20 | 70 | 140 | 220 | 290 | 350 | 390 | 450 | 500 |
| 29         | 20 | 70 | 140 | 220 | 300 | 350 | 390 | 450 | 510 |
| 30         | 20 | 70 | 140 | 220 | 300 | 360 | 400 | 460 | 510 |
| 31         | 20 | 70 | 140 | 220 | 300 | 360 | 400 | 460 | 520 |
| 32         | 20 | 70 | 150 | 230 | 300 | 360 | 400 | 460 | 520 |
| 33         | 30 | 80 | 150 | 230 | 310 | 370 | 410 | 470 | 530 |
| 34         | 30 | 80 | 150 | 230 | 310 | 370 | 410 | 470 | 530 |

**Table A. Beginning-of-Year Math: Overall**

| <b>Percentile</b> | <b>K</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 35                | 30       | 80       | 150      | 230      | 310      | 370      | 410      | 480      | 540      |
| 36                | 30       | 80       | 160      | 230      | 310      | 380      | 420      | 480      | 540      |
| 37                | 30       | 80       | 160      | 240      | 320      | 380      | 420      | 490      | 550      |
| 38                | 30       | 80       | 160      | 240      | 320      | 380      | 430      | 490      | 550      |
| 39                | 30       | 80       | 160      | 240      | 320      | 380      | 430      | 500      | 560      |
| 40                | 30       | 80       | 170      | 240      | 320      | 390      | 430      | 500      | 560      |
| 41                | 30       | 80       | 170      | 240      | 330      | 390      | 440      | 500      | 570      |
| 42                | 30       | 80       | 170      | 250      | 330      | 390      | 440      | 510      | 570      |
| 43                | 30       | 90       | 170      | 250      | 330      | 390      | 440      | 510      | 580      |
| 44                | 40       | 90       | 170      | 250      | 330      | 400      | 450      | 520      | 580      |
| 45                | 40       | 90       | 180      | 250      | 330      | 400      | 450      | 520      | 590      |
| 46                | 40       | 90       | 180      | 250      | 340      | 400      | 450      | 530      | 590      |
| 47                | 40       | 90       | 180      | 260      | 340      | 400      | 460      | 530      | 600      |
| 48                | 40       | 90       | 180      | 260      | 340      | 410      | 460      | 530      | 600      |
| 49                | 40       | 90       | 180      | 260      | 340      | 410      | 460      | 540      | 600      |
| 50                | 40       | 90       | 190      | 260      | 350      | 410      | 470      | 540      | 610      |
| 51                | 40       | 90       | 190      | 260      | 350      | 410      | 470      | 550      | 610      |
| 52                | 40       | 90       | 190      | 270      | 350      | 420      | 470      | 550      | 620      |
| 53                | 40       | 90       | 190      | 270      | 350      | 420      | 480      | 560      | 620      |
| 54                | 40       | 100      | 190      | 270      | 350      | 420      | 480      | 560      | 630      |
| 55                | 40       | 100      | 200      | 270      | 360      | 420      | 480      | 560      | 630      |
| 56                | 40       | 100      | 200      | 270      | 360      | 430      | 490      | 570      | 640      |
| 57                | 50       | 100      | 200      | 270      | 360      | 430      | 490      | 570      | 640      |
| 58                | 50       | 100      | 200      | 280      | 360      | 430      | 490      | 580      | 640      |
| 59                | 50       | 100      | 200      | 280      | 360      | 430      | 500      | 580      | 650      |
| 60                | 50       | 100      | 200      | 280      | 370      | 440      | 500      | 580      | 650      |
| 61                | 50       | 100      | 210      | 280      | 370      | 440      | 500      | 590      | 660      |
| 62                | 50       | 110      | 210      | 280      | 370      | 440      | 510      | 590      | 660      |
| 63                | 50       | 110      | 210      | 280      | 370      | 450      | 510      | 600      | 670      |
| 64                | 50       | 110      | 210      | 290      | 370      | 450      | 510      | 600      | 670      |
| 65                | 50       | 110      | 210      | 290      | 380      | 450      | 520      | 610      | 680      |
| 66                | 50       | 120      | 220      | 290      | 380      | 450      | 520      | 610      | 680      |
| 67                | 60       | 120      | 220      | 290      | 380      | 460      | 530      | 610      | 690      |
| 68                | 60       | 120      | 220      | 290      | 380      | 460      | 530      | 620      | 690      |
| 69                | 60       | 120      | 220      | 300      | 390      | 460      | 530      | 620      | 700      |
| 70                | 60       | 120      | 220      | 300      | 390      | 460      | 540      | 630      | 700      |
| 71                | 60       | 130      | 220      | 300      | 390      | 470      | 540      | 630      | 710      |
| 72                | 60       | 130      | 230      | 300      | 390      | 470      | 540      | 640      | 710      |
| 73                | 60       | 130      | 230      | 300      | 390      | 470      | 550      | 640      | 710      |
| 74                | 60       | 130      | 230      | 310      | 400      | 480      | 550      | 650      | 720      |

**Table A. Beginning-of-Year Math: Overall**

| <b>Percentile</b> | <b>K</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 75                | 60       | 140      | 230      | 310      | 400      | 480      | 560      | 650      | 720      |
| 76                | 70       | 140      | 230      | 310      | 400      | 480      | 560      | 660      | 730      |
| 77                | 70       | 140      | 240      | 310      | 400      | 490      | 570      | 660      | 730      |
| 78                | 70       | 140      | 240      | 310      | 410      | 490      | 570      | 670      | 740      |
| 79                | 70       | 150      | 240      | 320      | 410      | 490      | 570      | 670      | 750      |
| 80                | 70       | 150      | 240      | 320      | 410      | 500      | 580      | 680      | 750      |
| 81                | 70       | 150      | 240      | 320      | 410      | 500      | 580      | 680      | 760      |
| 82                | 70       | 160      | 250      | 320      | 420      | 500      | 590      | 690      | 760      |
| 83                | 70       | 160      | 250      | 330      | 420      | 510      | 590      | 690      | 770      |
| 84                | 70       | 160      | 250      | 330      | 420      | 510      | 600      | 700      | 770      |
| 85                | 80       | 160      | 250      | 330      | 430      | 510      | 600      | 700      | 780      |
| 86                | 80       | 170      | 260      | 330      | 430      | 520      | 610      | 710      | 790      |
| 87                | 80       | 170      | 260      | 340      | 430      | 520      | 620      | 720      | 790      |
| 88                | 80       | 180      | 260      | 340      | 440      | 530      | 620      | 720      | 800      |
| 89                | 80       | 180      | 260      | 340      | 440      | 530      | 630      | 730      | 810      |
| 90                | 80       | 180      | 270      | 350      | 440      | 540      | 640      | 740      | 820      |
| 91                | 90       | 190      | 270      | 350      | 450      | 540      | 650      | 750      | 830      |
| 92                | 90       | 190      | 280      | 360      | 450      | 550      | 650      | 760      | 840      |
| 93                | 90       | 200      | 280      | 360      | 460      | 560      | 660      | 760      | 850      |
| 94                | 90       | 200      | 290      | 370      | 470      | 570      | 670      | 780      | 860      |
| 95                | 100      | 210      | 290      | 370      | 470      | 580      | 690      | 790      | 870      |
| 96                | 110      | 220      | 300      | 380      | 480      | 590      | 700      | 800      | 890      |
| 97                | 120      | 230      | 310      | 390      | 500      | 610      | 720      | 820      | 910      |
| 98                | 140      | 250      | 320      | 410      | 520      | 630      | 750      | 850      | 930      |
| 99                | 170      | 280      | 350      | 430      | 550      | 680      | 780      | 900      | 980      |

**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  |
| 2          | -  | -  | 30  | 50  | 70  | 90  | 90  | 120 | 150 |
| 3          | -  | 10 | 40  | 60  | 90  | 110 | 120 | 160 | 190 |
| 4          | -  | 10 | 40  | 70  | 100 | 130 | 140 | 180 | 220 |
| 5          | -  | 20 | 50  | 80  | 110 | 160 | 160 | 210 | 240 |
| 6          | -  | 20 | 50  | 90  | 120 | 170 | 180 | 220 | 250 |
| 7          | -  | 20 | 60  | 90  | 140 | 180 | 200 | 240 | 270 |
| 8          | -  | 30 | 60  | 90  | 150 | 200 | 210 | 253 | 290 |
| 9          | -  | 30 | 70  | 100 | 160 | 200 | 220 | 270 | 300 |
| 10         | -  | 30 | 70  | 100 | 170 | 210 | 230 | 280 | 310 |
| 11         | -  | 30 | 80  | 110 | 180 | 220 | 240 | 290 | 330 |
| 12         | -  | 40 | 80  | 120 | 180 | 230 | 250 | 300 | 340 |
| 13         | -  | 40 | 80  | 120 | 190 | 240 | 260 | 310 | 350 |
| 14         | -  | 40 | 90  | 130 | 200 | 240 | 260 | 320 | 360 |
| 15         | -  | 40 | 90  | 130 | 200 | 250 | 270 | 330 | 370 |
| 16         | -  | 40 | 90  | 140 | 210 | 260 | 280 | 340 | 380 |
| 17         | -  | 50 | 90  | 140 | 210 | 260 | 290 | 340 | 390 |
| 18         | -  | 50 | 90  | 150 | 220 | 270 | 290 | 350 | 400 |
| 19         | -  | 50 | 100 | 150 | 220 | 270 | 300 | 360 | 410 |
| 20         | -  | 50 | 100 | 160 | 230 | 280 | 300 | 370 | 420 |
| 21         | -  | 50 | 100 | 160 | 230 | 290 | 310 | 380 | 430 |
| 22         | 10 | 60 | 100 | 170 | 240 | 290 | 320 | 380 | 440 |
| 23         | 10 | 60 | 100 | 170 | 240 | 300 | 320 | 390 | 450 |
| 24         | 10 | 60 | 110 | 180 | 250 | 300 | 330 | 400 | 460 |
| 25         | 10 | 60 | 110 | 180 | 250 | 310 | 330 | 410 | 460 |
| 26         | 10 | 60 | 110 | 180 | 250 | 310 | 340 | 410 | 470 |
| 27         | 10 | 60 | 120 | 190 | 260 | 320 | 340 | 420 | 480 |
| 28         | 10 | 70 | 120 | 190 | 260 | 320 | 350 | 430 | 490 |
| 29         | 10 | 70 | 120 | 190 | 260 | 320 | 350 | 430 | 500 |
| 30         | 10 | 70 | 120 | 200 | 270 | 330 | 360 | 440 | 510 |
| 31         | 10 | 70 | 130 | 200 | 270 | 330 | 360 | 450 | 520 |
| 32         | 10 | 70 | 130 | 200 | 280 | 340 | 370 | 450 | 520 |
| 33         | 10 | 70 | 130 | 210 | 280 | 340 | 370 | 460 | 530 |
| 34         | 10 | 70 | 130 | 210 | 280 | 350 | 380 | 470 | 540 |
| 35         | 20 | 70 | 140 | 210 | 290 | 350 | 390 | 480 | 550 |
| 36         | 20 | 80 | 140 | 210 | 290 | 360 | 390 | 480 | 560 |
| 37         | 20 | 80 | 140 | 220 | 300 | 360 | 400 | 490 | 560 |
| 38         | 20 | 80 | 150 | 220 | 300 | 360 | 400 | 500 | 570 |
| 39         | 20 | 80 | 150 | 220 | 300 | 370 | 410 | 500 | 580 |

**Table B. Beginning-of-Year ELA: Overall**

| <b>Percentile</b> | <b>K</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 40                | 20       | 80       | 150      | 230      | 310      | 370      | 410      | 510      | 590      |
| 41                | 20       | 80       | 150      | 230      | 310      | 380      | 420      | 520      | 600      |
| 42                | 20       | 80       | 160      | 230      | 310      | 380      | 420      | 530      | 600      |
| 43                | 20       | 90       | 160      | 240      | 320      | 390      | 430      | 530      | 610      |
| 44                | 20       | 90       | 160      | 240      | 320      | 390      | 430      | 540      | 620      |
| 45                | 20       | 90       | 170      | 240      | 320      | 400      | 440      | 550      | 630      |
| 46                | 20       | 90       | 170      | 240      | 330      | 400      | 440      | 550      | 630      |
| 47                | 30       | 90       | 170      | 250      | 330      | 410      | 450      | 560      | 640      |
| 48                | 30       | 90       | 170      | 250      | 330      | 410      | 460      | 570      | 650      |
| 49                | 30       | 90       | 180      | 250      | 340      | 420      | 460      | 570      | 660      |
| 50                | 30       | 90       | 180      | 260      | 340      | 420      | 470      | 580      | 660      |
| 51                | 30       | 90       | 180      | 260      | 340      | 430      | 470      | 580      | 670      |
| 52                | 30       | 90       | 180      | 260      | 350      | 430      | 480      | 590      | 680      |
| 53                | 30       | 100      | 190      | 260      | 350      | 430      | 480      | 600      | 690      |
| 54                | 30       | 100      | 190      | 270      | 360      | 440      | 490      | 610      | 690      |
| 55                | 30       | 100      | 190      | 270      | 360      | 440      | 490      | 610      | 700      |
| 56                | 30       | 100      | 190      | 270      | 360      | 450      | 500      | 620      | 710      |
| 57                | 30       | 100      | 200      | 270      | 370      | 450      | 510      | 630      | 710      |
| 58                | 30       | 100      | 200      | 280      | 370      | 460      | 510      | 630      | 720      |
| 59                | 40       | 100      | 200      | 280      | 370      | 460      | 520      | 640      | 730      |
| 60                | 40       | 100      | 200      | 280      | 380      | 470      | 520      | 650      | 740      |
| 61                | 40       | 110      | 210      | 290      | 380      | 470      | 530      | 650      | 740      |
| 62                | 40       | 110      | 210      | 290      | 390      | 480      | 540      | 660      | 750      |
| 63                | 40       | 110      | 210      | 290      | 390      | 480      | 540      | 670      | 760      |
| 64                | 40       | 110      | 210      | 300      | 390      | 490      | 550      | 670      | 760      |
| 65                | 40       | 110      | 220      | 300      | 400      | 490      | 550      | 680      | 770      |
| 66                | 40       | 120      | 220      | 300      | 400      | 500      | 560      | 690      | 780      |
| 67                | 40       | 120      | 220      | 300      | 410      | 500      | 570      | 690      | 790      |
| 68                | 50       | 120      | 220      | 310      | 410      | 510      | 570      | 700      | 790      |
| 69                | 50       | 120      | 230      | 310      | 420      | 520      | 580      | 710      | 800      |
| 70                | 50       | 130      | 230      | 310      | 420      | 520      | 590      | 710      | 810      |
| 71                | 50       | 130      | 230      | 320      | 430      | 530      | 590      | 720      | 820      |
| 72                | 50       | 130      | 230      | 320      | 430      | 530      | 600      | 730      | 830      |
| 73                | 50       | 130      | 240      | 330      | 440      | 540      | 600      | 730      | 830      |
| 74                | 50       | 140      | 240      | 330      | 440      | 550      | 610      | 740      | 840      |
| 75                | 50       | 140      | 240      | 330      | 450      | 550      | 620      | 750      | 850      |
| 76                | 50       | 140      | 240      | 340      | 450      | 560      | 630      | 760      | 860      |
| 77                | 60       | 140      | 250      | 340      | 460      | 570      | 630      | 770      | 870      |
| 78                | 60       | 150      | 250      | 350      | 460      | 570      | 640      | 770      | 880      |
| 79                | 60       | 150      | 250      | 350      | 470      | 580      | 650      | 780      | 890      |

**Table B. Beginning-of-Year ELA: Overall**

| <b>Percentile</b> | <b>K</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 80                | 60       | 150      | 260      | 360      | 480      | 590      | 660      | 790      | 900      |
| 81                | 60       | 160      | 260      | 360      | 480      | 590      | 660      | 800      | 910      |
| 82                | 60       | 160      | 260      | 370      | 490      | 600      | 670      | 810      | 920      |
| 83                | 70       | 170      | 270      | 370      | 500      | 610      | 680      | 820      | 930      |
| 84                | 70       | 170      | 270      | 380      | 500      | 620      | 690      | 830      | 940      |
| 85                | 70       | 180      | 280      | 390      | 510      | 630      | 700      | 840      | 950      |
| 86                | 70       | 180      | 280      | 390      | 520      | 640      | 710      | 850      | 960      |
| 87                | 70       | 180      | 290      | 400      | 530      | 650      | 720      | 860      | 980      |
| 88                | 80       | 190      | 290      | 410      | 540      | 660      | 730      | 870      | 990      |
| 89                | 80       | 200      | 300      | 420      | 550      | 670      | 740      | 880      | 1000     |
| 90                | 80       | 200      | 300      | 420      | 560      | 680      | 750      | 900      | 1020     |
| 91                | 80       | 210      | 310      | 430      | 570      | 690      | 770      | 910      | 1040     |
| 92                | 90       | 210      | 320      | 440      | 580      | 710      | 780      | 930      | 1050     |
| 93                | 90       | 220      | 330      | 450      | 600      | 720      | 800      | 950      | 1070     |
| 94                | 100      | 230      | 340      | 470      | 610      | 740      | 820      | 970      | 1090     |
| 95                | 100      | 240      | 350      | 480      | 630      | 760      | 840      | 1000     | 1110     |
| 96                | 110      | 250      | 360      | 500      | 650      | 780      | 870      | 1020     | 1130     |
| 97                | 130      | 260      | 386      | 530      | 680      | 810      | 910      | 1060     | 1160     |
| 98                | 150      | 280      | 420      | 560      | 710      | 860      | 950      | 1100     | 1190     |
| 99                | 200      | 330      | 480      | 620      | 770      | 920      | 1020     | 1160     | 1210     |

## Middle-of-Year K-8

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**Table D. Middle-of-Year Math: Overall**

| Percentile | K  | 1   | 2   | 3   | 4   | 5   | 6   | 7   | 8   |
|------------|----|-----|-----|-----|-----|-----|-----|-----|-----|
| 1          | -  | 30  | 50  | 70  | 100 | 140 | 170 | 180 | 200 |
| 2          | -  | 40  | 70  | 90  | 140 | 190 | 220 | 230 | 260 |
| 3          | 10 | 40  | 80  | 110 | 170 | 220 | 250 | 260 | 290 |
| 4          | 20 | 50  | 80  | 130 | 190 | 240 | 270 | 280 | 310 |
| 5          | 20 | 50  | 90  | 140 | 200 | 250 | 290 | 300 | 330 |
| 6          | 20 | 60  | 100 | 150 | 210 | 260 | 300 | 320 | 350 |
| 7          | 20 | 60  | 100 | 160 | 230 | 270 | 310 | 330 | 360 |
| 8          | 30 | 60  | 110 | 170 | 240 | 280 | 320 | 340 | 380 |
| 9          | 30 | 70  | 120 | 180 | 240 | 290 | 330 | 350 | 390 |
| 10         | 30 | 70  | 120 | 190 | 250 | 300 | 340 | 360 | 400 |
| 11         | 30 | 70  | 130 | 200 | 260 | 310 | 350 | 370 | 410 |
| 12         | 30 | 70  | 130 | 200 | 260 | 310 | 360 | 380 | 420 |
| 13         | 30 | 80  | 140 | 210 | 270 | 320 | 360 | 380 | 430 |
| 14         | 40 | 80  | 150 | 210 | 280 | 320 | 370 | 390 | 440 |
| 15         | 40 | 80  | 150 | 220 | 280 | 330 | 380 | 400 | 450 |
| 16         | 40 | 80  | 150 | 220 | 280 | 340 | 380 | 410 | 460 |
| 17         | 40 | 80  | 160 | 230 | 290 | 340 | 390 | 410 | 460 |
| 18         | 40 | 80  | 160 | 230 | 290 | 340 | 400 | 420 | 470 |
| 19         | 40 | 90  | 170 | 230 | 300 | 350 | 400 | 430 | 480 |
| 20         | 40 | 90  | 170 | 240 | 300 | 350 | 410 | 430 | 490 |
| 21         | 40 | 90  | 170 | 240 | 310 | 360 | 410 | 440 | 490 |
| 22         | 50 | 90  | 180 | 240 | 310 | 360 | 420 | 450 | 500 |
| 23         | 50 | 90  | 180 | 250 | 310 | 370 | 420 | 450 | 510 |
| 24         | 50 | 90  | 180 | 250 | 320 | 370 | 430 | 460 | 510 |
| 25         | 50 | 90  | 180 | 250 | 320 | 370 | 430 | 460 | 520 |
| 26         | 50 | 100 | 190 | 250 | 320 | 380 | 440 | 470 | 520 |
| 27         | 50 | 100 | 190 | 260 | 330 | 380 | 440 | 470 | 530 |
| 28         | 50 | 100 | 190 | 260 | 330 | 380 | 450 | 480 | 540 |
| 29         | 50 | 100 | 190 | 260 | 330 | 390 | 450 | 480 | 540 |
| 30         | 50 | 100 | 200 | 260 | 340 | 390 | 450 | 490 | 550 |
| 31         | 50 | 100 | 200 | 270 | 340 | 390 | 460 | 490 | 550 |
| 32         | 60 | 100 | 200 | 270 | 340 | 400 | 460 | 500 | 560 |
| 33         | 60 | 110 | 200 | 270 | 340 | 400 | 470 | 500 | 560 |
| 34         | 60 | 110 | 200 | 270 | 350 | 400 | 470 | 510 | 570 |

**Table D. Middle-of-Year Math: Overall**

| <b>Percentile</b> | <b>K</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 35                | 60       | 110      | 210      | 280      | 350      | 410      | 470      | 510      | 570      |
| 36                | 60       | 110      | 210      | 280      | 350      | 410      | 480      | 520      | 580      |
| 37                | 60       | 120      | 210      | 280      | 350      | 410      | 480      | 520      | 580      |
| 38                | 60       | 120      | 210      | 280      | 360      | 420      | 490      | 530      | 590      |
| 39                | 60       | 120      | 210      | 290      | 360      | 420      | 490      | 530      | 590      |
| 40                | 60       | 120      | 220      | 290      | 360      | 420      | 490      | 540      | 600      |
| 41                | 60       | 120      | 220      | 290      | 360      | 430      | 500      | 540      | 600      |
| 42                | 60       | 130      | 220      | 290      | 370      | 430      | 500      | 540      | 610      |
| 43                | 60       | 130      | 220      | 290      | 370      | 430      | 510      | 550      | 610      |
| 44                | 70       | 130      | 220      | 290      | 370      | 430      | 510      | 550      | 620      |
| 45                | 70       | 130      | 220      | 300      | 370      | 440      | 510      | 560      | 620      |
| 46                | 70       | 130      | 230      | 300      | 370      | 440      | 520      | 560      | 630      |
| 47                | 70       | 140      | 230      | 300      | 380      | 440      | 520      | 570      | 630      |
| 48                | 70       | 140      | 230      | 300      | 380      | 450      | 520      | 570      | 640      |
| 49                | 70       | 140      | 230      | 300      | 380      | 450      | 530      | 570      | 640      |
| 50                | 70       | 140      | 230      | 310      | 380      | 450      | 530      | 580      | 650      |
| 51                | 70       | 140      | 230      | 310      | 390      | 460      | 530      | 580      | 650      |
| 52                | 70       | 140      | 230      | 310      | 390      | 460      | 540      | 590      | 650      |
| 53                | 70       | 150      | 240      | 310      | 390      | 460      | 540      | 590      | 660      |
| 54                | 70       | 150      | 240      | 310      | 390      | 460      | 540      | 600      | 660      |
| 55                | 70       | 150      | 240      | 310      | 390      | 470      | 550      | 600      | 670      |
| 56                | 70       | 150      | 240      | 320      | 400      | 470      | 550      | 600      | 670      |
| 57                | 80       | 150      | 240      | 320      | 400      | 470      | 550      | 610      | 680      |
| 58                | 80       | 160      | 240      | 320      | 400      | 480      | 560      | 610      | 680      |
| 59                | 80       | 160      | 240      | 320      | 400      | 480      | 560      | 620      | 690      |
| 60                | 80       | 160      | 250      | 320      | 400      | 480      | 560      | 620      | 690      |
| 61                | 80       | 160      | 250      | 320      | 410      | 480      | 570      | 630      | 700      |
| 62                | 80       | 160      | 250      | 330      | 410      | 490      | 570      | 630      | 700      |
| 63                | 80       | 170      | 250      | 330      | 410      | 490      | 570      | 630      | 700      |
| 64                | 80       | 170      | 250      | 330      | 410      | 490      | 580      | 640      | 710      |
| 65                | 80       | 170      | 250      | 330      | 415      | 500      | 580      | 640      | 710      |
| 66                | 80       | 170      | 250      | 330      | 420      | 500      | 580      | 650      | 720      |
| 67                | 80       | 170      | 260      | 340      | 420      | 500      | 590      | 650      | 720      |
| 68                | 80       | 170      | 260      | 340      | 420      | 500      | 590      | 660      | 730      |
| 69                | 80       | 180      | 260      | 340      | 420      | 510      | 590      | 660      | 730      |
| 70                | 90       | 180      | 260      | 340      | 430      | 510      | 600      | 660      | 740      |
| 71                | 90       | 180      | 260      | 340      | 430      | 510      | 600      | 670      | 740      |
| 72                | 90       | 180      | 260      | 350      | 430      | 520      | 610      | 670      | 750      |
| 73                | 90       | 180      | 270      | 350      | 430      | 520      | 610      | 680      | 750      |
| 74                | 90       | 190      | 270      | 350      | 440      | 520      | 610      | 680      | 760      |

**Table D. Middle-of-Year Math: Overall**

| <b>Percentile</b> | <b>K</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 75                | 90       | 190      | 270      | 350      | 440      | 530      | 620      | 690      | 760      |
| 76                | 90       | 190      | 270      | 350      | 440      | 530      | 620      | 690      | 770      |
| 77                | 90       | 190      | 270      | 360      | 440      | 530      | 630      | 700      | 770      |
| 78                | 90       | 190      | 270      | 360      | 450      | 540      | 630      | 700      | 780      |
| 79                | 90       | 200      | 280      | 360      | 450      | 540      | 630      | 710      | 780      |
| 80                | 90       | 200      | 280      | 360      | 450      | 540      | 640      | 710      | 790      |
| 81                | 100      | 200      | 280      | 370      | 450      | 550      | 640      | 720      | 790      |
| 82                | 100      | 200      | 280      | 370      | 460      | 550      | 650      | 720      | 800      |
| 83                | 100      | 210      | 280      | 370      | 460      | 550      | 650      | 730      | 810      |
| 84                | 100      | 210      | 290      | 370      | 460      | 560      | 660      | 730      | 810      |
| 85                | 100      | 210      | 290      | 380      | 470      | 560      | 660      | 740      | 820      |
| 86                | 100      | 212      | 290      | 380      | 470      | 570      | 670      | 740      | 830      |
| 87                | 110      | 220      | 290      | 380      | 470      | 570      | 670      | 750      | 830      |
| 88                | 110      | 220      | 300      | 390      | 480      | 580      | 680      | 760      | 840      |
| 89                | 110      | 220      | 300      | 390      | 480      | 580      | 680      | 760      | 850      |
| 90                | 120      | 230      | 300      | 390      | 490      | 590      | 690      | 770      | 850      |
| 91                | 120      | 230      | 310      | 400      | 490      | 600      | 700      | 780      | 860      |
| 92                | 130      | 230      | 310      | 400      | 500      | 600      | 700      | 790      | 870      |
| 93                | 130      | 240      | 320      | 410      | 500      | 610      | 710      | 800      | 880      |
| 94                | 140      | 240      | 320      | 410      | 510      | 620      | 720      | 810      | 890      |
| 95                | 150      | 250      | 330      | 420      | 520      | 630      | 730      | 820      | 910      |
| 96                | 160      | 260      | 340      | 420      | 530      | 640      | 750      | 830      | 920      |
| 97                | 170      | 260      | 350      | 430      | 540      | 660      | 770      | 850      | 940      |
| 98                | 190      | 280      | 360      | 450      | 560      | 680      | 790      | 880      | 960      |
| 99                | 220      | 300      | 390      | 480      | 590      | 720      | 830      | 930      | 990      |

**Table E. Middle-of-Year ELA: Overall**

| <b>Percentile</b> | <b>K</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1                 | -        | 10       | 40       | 60       | 70       | 90       | 90       | 100      | 120      |
| 2                 | -        | 20       | 50       | 80       | 90       | 120      | 130      | 160      | 180      |
| 3                 | -        | 30       | 60       | 90       | 110      | 160      | 170      | 190      | 211      |
| 4                 | -        | 40       | 70       | 100      | 130      | 180      | 190      | 210      | 240      |
| 5                 | 10       | 40       | 80       | 110      | 150      | 190      | 210      | 230      | 270      |
| 6                 | 10       | 50       | 80       | 120      | 170      | 210      | 230      | 250      | 290      |
| 7                 | 10       | 50       | 90       | 130      | 180      | 220      | 240      | 270      | 300      |
| 8                 | 10       | 60       | 90       | 130      | 190      | 230      | 260      | 280      | 320      |
| 9                 | 10       | 60       | 90       | 140      | 200      | 240      | 270      | 300      | 330      |
| 10                | 20       | 60       | 100      | 150      | 210      | 250      | 280      | 310      | 340      |
| 11                | 20       | 60       | 100      | 160      | 220      | 260      | 290      | 320      | 360      |
| 12                | 20       | 70       | 110      | 170      | 220      | 270      | 300      | 330      | 370      |
| 13                | 20       | 70       | 110      | 170      | 230      | 280      | 310      | 340      | 380      |
| 14                | 20       | 70       | 120      | 180      | 240      | 290      | 310      | 350      | 390      |
| 15                | 20       | 70       | 120      | 180      | 240      | 290      | 320      | 360      | 400      |
| 16                | 20       | 80       | 120      | 190      | 250      | 300      | 330      | 370      | 420      |
| 17                | 20       | 80       | 130      | 190      | 250      | 310      | 340      | 380      | 430      |
| 18                | 30       | 80       | 130      | 200      | 260      | 310      | 350      | 390      | 440      |
| 19                | 30       | 80       | 140      | 200      | 270      | 320      | 360      | 400      | 450      |
| 20                | 30       | 80       | 140      | 210      | 270      | 330      | 360      | 410      | 460      |
| 21                | 30       | 80       | 140      | 210      | 280      | 340      | 370      | 420      | 470      |
| 22                | 30       | 90       | 150      | 220      | 280      | 340      | 380      | 430      | 480      |
| 23                | 30       | 90       | 150      | 220      | 290      | 350      | 390      | 430      | 480      |
| 24                | 30       | 90       | 150      | 230      | 290      | 350      | 390      | 440      | 500      |
| 25                | 30       | 90       | 160      | 230      | 300      | 360      | 400      | 450      | 500      |
| 26                | 40       | 90       | 160      | 230      | 300      | 360      | 410      | 460      | 510      |
| 27                | 40       | 90       | 170      | 240      | 300      | 370      | 410      | 470      | 520      |
| 28                | 40       | 90       | 170      | 240      | 310      | 380      | 420      | 470      | 530      |
| 29                | 40       | 90       | 170      | 240      | 310      | 380      | 430      | 480      | 540      |
| 30                | 40       | 100      | 170      | 250      | 320      | 380      | 430      | 490      | 550      |
| 31                | 40       | 100      | 180      | 250      | 320      | 390      | 440      | 500      | 560      |
| 32                | 40       | 100      | 180      | 250      | 330      | 390      | 450      | 500      | 570      |
| 33                | 40       | 100      | 180      | 260      | 330      | 400      | 450      | 510      | 580      |
| 34                | 50       | 100      | 190      | 260      | 330      | 400      | 460      | 520      | 580      |
| 35                | 50       | 100      | 190      | 260      | 340      | 410      | 470      | 530      | 590      |
| 36                | 50       | 110      | 190      | 270      | 340      | 410      | 470      | 540      | 600      |
| 37                | 50       | 110      | 190      | 270      | 350      | 420      | 480      | 540      | 610      |
| 38                | 50       | 110      | 200      | 270      | 350      | 420      | 480      | 550      | 620      |
| 39                | 50       | 110      | 200      | 270      | 350      | 430      | 490      | 560      | 630      |

**Table E. Middle-of-Year ELA: Overall**

| <b>Percentile</b> | <b>K</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 40                | 50       | 110      | 200      | 280      | 360      | 430      | 490      | 560      | 630      |
| 41                | 50       | 110      | 200      | 280      | 360      | 440      | 500      | 570      | 640      |
| 42                | 50       | 120      | 210      | 280      | 370      | 440      | 510      | 580      | 650      |
| 43                | 50       | 120      | 210      | 290      | 370      | 450      | 510      | 590      | 660      |
| 44                | 60       | 120      | 210      | 290      | 370      | 450      | 520      | 590      | 660      |
| 45                | 60       | 120      | 210      | 290      | 380      | 460      | 520      | 600      | 670      |
| 46                | 60       | 120      | 210      | 290      | 380      | 460      | 530      | 610      | 680      |
| 47                | 60       | 130      | 220      | 300      | 390      | 470      | 540      | 620      | 690      |
| 48                | 60       | 130      | 220      | 300      | 390      | 470      | 540      | 620      | 700      |
| 49                | 60       | 130      | 220      | 300      | 390      | 480      | 550      | 630      | 700      |
| 50                | 60       | 130      | 220      | 310      | 400      | 480      | 550      | 640      | 710      |
| 51                | 60       | 130      | 230      | 310      | 400      | 490      | 560      | 640      | 720      |
| 52                | 60       | 140      | 230      | 310      | 410      | 490      | 570      | 650      | 720      |
| 53                | 60       | 140      | 230      | 320      | 410      | 500      | 570      | 660      | 730      |
| 54                | 70       | 140      | 230      | 320      | 410      | 500      | 580      | 660      | 740      |
| 55                | 70       | 140      | 230      | 320      | 420      | 510      | 580      | 670      | 750      |
| 56                | 70       | 140      | 240      | 320      | 420      | 510      | 590      | 680      | 750      |
| 57                | 70       | 150      | 240      | 330      | 430      | 520      | 590      | 680      | 760      |
| 58                | 70       | 150      | 240      | 330      | 430      | 520      | 600      | 690      | 770      |
| 59                | 70       | 150      | 240      | 330      | 430      | 530      | 610      | 700      | 770      |
| 60                | 70       | 150      | 250      | 340      | 440      | 530      | 610      | 700      | 780      |
| 61                | 70       | 150      | 250      | 340      | 440      | 540      | 620      | 710      | 790      |
| 62                | 70       | 160      | 250      | 340      | 450      | 540      | 620      | 720      | 790      |
| 63                | 80       | 160      | 250      | 350      | 450      | 550      | 630      | 720      | 800      |
| 64                | 80       | 160      | 260      | 350      | 460      | 550      | 640      | 730      | 810      |
| 65                | 80       | 160      | 260      | 350      | 460      | 560      | 640      | 740      | 820      |
| 66                | 80       | 170      | 260      | 360      | 460      | 560      | 650      | 740      | 830      |
| 67                | 80       | 170      | 260      | 360      | 470      | 570      | 660      | 750      | 830      |
| 68                | 80       | 170      | 270      | 360      | 470      | 570      | 660      | 760      | 840      |
| 69                | 80       | 170      | 270      | 370      | 480      | 580      | 670      | 760      | 850      |
| 70                | 80       | 180      | 270      | 370      | 480      | 590      | 670      | 770      | 860      |
| 71                | 80       | 180      | 280      | 370      | 490      | 590      | 680      | 780      | 860      |
| 72                | 90       | 180      | 280      | 380      | 490      | 600      | 690      | 780      | 870      |
| 73                | 90       | 183      | 280      | 380      | 500      | 600      | 690      | 790      | 880      |
| 74                | 90       | 190      | 280      | 390      | 500      | 610      | 700      | 800      | 890      |
| 75                | 90       | 190      | 290      | 390      | 510      | 620      | 700      | 810      | 900      |
| 76                | 90       | 190      | 290      | 400      | 520      | 620      | 710      | 810      | 910      |
| 77                | 90       | 200      | 290      | 400      | 520      | 630      | 720      | 820      | 920      |
| 78                | 90       | 200      | 300      | 400      | 530      | 640      | 720      | 830      | 920      |
| 79                | 90       | 200      | 300      | 410      | 530      | 650      | 730      | 840      | 930      |

**Table E. Middle-of-Year ELA: Overall**

| <b>Percentile</b> | <b>K</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 80                | 100      | 200      | 300      | 410      | 540      | 650      | 740      | 850      | 940      |
| 81                | 100      | 210      | 310      | 420      | 550      | 660      | 750      | 860      | 950      |
| 82                | 100      | 210      | 310      | 420      | 550      | 670      | 750      | 870      | 970      |
| 83                | 100      | 210      | 320      | 430      | 560      | 680      | 760      | 880      | 980      |
| 84                | 100      | 220      | 320      | 440      | 570      | 680      | 770      | 890      | 990      |
| 85                | 100      | 220      | 330      | 440      | 580      | 690      | 780      | 900      | 1000     |
| 86                | 110      | 230      | 330      | 450      | 590      | 700      | 790      | 910      | 1010     |
| 87                | 110      | 230      | 340      | 460      | 600      | 710      | 800      | 920      | 1020     |
| 88                | 110      | 232      | 340      | 460      | 610      | 720      | 810      | 930      | 1030     |
| 89                | 120      | 240      | 350      | 470      | 620      | 730      | 820      | 950      | 1050     |
| 90                | 120      | 240      | 350      | 480      | 630      | 740      | 830      | 960      | 1070     |
| 91                | 130      | 250      | 360      | 490      | 640      | 750      | 850      | 980      | 1080     |
| 92                | 130      | 260      | 370      | 500      | 650      | 770      | 860      | 1000     | 1100     |
| 93                | 140      | 260      | 380      | 510      | 660      | 780      | 880      | 1020     | 1110     |
| 94                | 150      | 270      | 390      | 530      | 680      | 800      | 900      | 1040     | 1130     |
| 95                | 160      | 280      | 400      | 540      | 690      | 820      | 930      | 1060     | 1150     |
| 96                | 170      | 290      | 420      | 560      | 710      | 850      | 960      | 1090     | 1170     |
| 97                | 190      | 310      | 440      | 590      | 740      | 880      | 990      | 1120     | 1190     |
| 98                | 220      | 320      | 470      | 630      | 770      | 924      | 1040     | 1160     | 1210     |
| 99                | 260      | 380      | 520      | 680      | 830      | 1000     | 1110     | 1200     | 1240     |

## End-of-Year K-8

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**Table G. 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 |
| 2          | 20 | 50  | 80  | 120 | 170 | 220 | 240 | 250 | 270 |
| 3          | 30 | 60  | 90  | 140 | 200 | 240 | 270 | 280 | 300 |
| 4          | 30 | 70  | 100 | 160 | 220 | 260 | 290 | 300 | 330 |
| 5          | 30 | 70  | 120 | 180 | 230 | 280 | 310 | 320 | 350 |
| 6          | 40 | 80  | 130 | 190 | 250 | 290 | 320 | 340 | 360 |
| 7          | 40 | 80  | 140 | 200 | 260 | 300 | 340 | 350 | 380 |
| 8          | 40 | 80  | 140 | 210 | 270 | 310 | 350 | 360 | 390 |
| 9          | 50 | 90  | 150 | 220 | 280 | 320 | 360 | 370 | 410 |
| 10         | 50 | 90  | 160 | 220 | 280 | 320 | 370 | 380 | 420 |
| 11         | 50 | 90  | 170 | 230 | 290 | 330 | 380 | 390 | 430 |
| 12         | 50 | 90  | 170 | 240 | 300 | 340 | 380 | 400 | 440 |
| 13         | 50 | 100 | 180 | 240 | 300 | 340 | 390 | 410 | 450 |
| 14         | 60 | 100 | 180 | 250 | 310 | 350 | 400 | 420 | 460 |
| 15         | 60 | 100 | 190 | 250 | 310 | 360 | 410 | 430 | 470 |
| 16         | 60 | 100 | 190 | 260 | 320 | 360 | 410 | 440 | 480 |
| 17         | 60 | 110 | 190 | 260 | 320 | 370 | 420 | 440 | 490 |
| 18         | 60 | 110 | 200 | 260 | 330 | 370 | 430 | 450 | 500 |
| 19         | 60 | 120 | 200 | 270 | 330 | 380 | 430 | 460 | 500 |
| 20         | 60 | 120 | 200 | 270 | 340 | 380 | 440 | 470 | 510 |
| 21         | 70 | 120 | 210 | 280 | 340 | 390 | 440 | 470 | 520 |
| 22         | 70 | 120 | 210 | 280 | 350 | 390 | 450 | 480 | 530 |
| 23         | 70 | 130 | 210 | 280 | 350 | 400 | 460 | 490 | 530 |
| 24         | 70 | 130 | 210 | 290 | 350 | 400 | 460 | 490 | 540 |
| 25         | 70 | 130 | 220 | 290 | 360 | 410 | 470 | 500 | 550 |
| 26         | 70 | 140 | 220 | 290 | 360 | 410 | 470 | 510 | 560 |
| 27         | 70 | 140 | 220 | 290 | 360 | 420 | 480 | 510 | 560 |
| 28         | 70 | 140 | 220 | 300 | 370 | 420 | 480 | 520 | 570 |
| 29         | 70 | 140 | 230 | 300 | 370 | 430 | 490 | 520 | 570 |
| 30         | 70 | 150 | 230 | 300 | 370 | 430 | 490 | 530 | 580 |
| 31         | 80 | 150 | 230 | 310 | 380 | 430 | 500 | 530 | 590 |
| 32         | 80 | 150 | 230 | 310 | 380 | 440 | 500 | 540 | 590 |

**Table G. End-of-Year Math: Overall**

| <b>Percentile</b> | <b>K</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 33                | 80       | 150      | 230      | 310      | 380      | 440      | 510      | 550      | 600      |
| 34                | 80       | 150      | 240      | 310      | 390      | 450      | 510      | 550      | 600      |
| 35                | 80       | 160      | 240      | 320      | 390      | 450      | 510      | 560      | 610      |
| 36                | 80       | 160      | 240      | 320      | 390      | 450      | 520      | 560      | 610      |
| 37                | 80       | 160      | 240      | 320      | 400      | 460      | 520      | 570      | 620      |
| 38                | 80       | 160      | 240      | 320      | 400      | 460      | 530      | 570      | 630      |
| 39                | 80       | 160      | 240      | 320      | 400      | 460      | 530      | 580      | 630      |
| 40                | 80       | 170      | 250      | 330      | 400      | 470      | 530      | 580      | 640      |
| 41                | 80       | 170      | 250      | 330      | 410      | 470      | 540      | 590      | 640      |
| 42                | 80       | 170      | 250      | 330      | 410      | 480      | 540      | 590      | 650      |
| 43                | 90       | 170      | 250      | 330      | 410      | 480      | 550      | 600      | 650      |
| 44                | 90       | 170      | 250      | 330      | 410      | 480      | 550      | 600      | 660      |
| 45                | 90       | 180      | 250      | 340      | 420      | 490      | 550      | 600      | 660      |
| 46                | 90       | 180      | 260      | 340      | 420      | 490      | 560      | 610      | 670      |
| 47                | 90       | 180      | 260      | 340      | 420      | 490      | 560      | 610      | 670      |
| 48                | 90       | 180      | 260      | 340      | 420      | 500      | 570      | 620      | 680      |
| 49                | 90       | 180      | 260      | 350      | 430      | 500      | 570      | 620      | 680      |
| 50                | 90       | 180      | 260      | 350      | 430      | 500      | 570      | 630      | 690      |
| 51                | 90       | 190      | 260      | 350      | 430      | 510      | 580      | 630      | 690      |
| 52                | 90       | 190      | 260      | 350      | 430      | 510      | 580      | 640      | 700      |
| 53                | 90       | 190      | 270      | 350      | 440      | 510      | 580      | 640      | 700      |
| 54                | 90       | 190      | 270      | 360      | 440      | 520      | 590      | 640      | 710      |
| 55                | 90       | 190      | 270      | 360      | 440      | 520      | 590      | 650      | 710      |
| 56                | 100      | 190      | 270      | 360      | 440      | 520      | 600      | 650      | 720      |
| 57                | 100      | 200      | 270      | 360      | 450      | 520      | 600      | 660      | 720      |
| 58                | 100      | 200      | 270      | 360      | 450      | 530      | 600      | 660      | 730      |
| 59                | 100      | 200      | 280      | 370      | 450      | 530      | 610      | 670      | 730      |
| 60                | 100      | 200      | 280      | 370      | 450      | 530      | 610      | 670      | 740      |
| 61                | 100      | 200      | 280      | 370      | 460      | 540      | 610      | 680      | 740      |
| 62                | 100      | 200      | 280      | 370      | 460      | 540      | 620      | 680      | 750      |
| 63                | 100      | 210      | 280      | 370      | 460      | 540      | 620      | 690      | 750      |
| 64                | 100      | 210      | 280      | 380      | 460      | 550      | 620      | 690      | 750      |
| 65                | 110      | 210      | 290      | 380      | 470      | 550      | 630      | 690      | 760      |
| 66                | 110      | 210      | 290      | 380      | 470      | 550      | 630      | 700      | 760      |
| 67                | 110      | 210      | 290      | 380      | 470      | 560      | 640      | 700      | 770      |
| 68                | 110      | 210      | 290      | 390      | 470      | 560      | 640      | 710      | 770      |
| 69                | 110      | 220      | 290      | 390      | 480      | 560      | 640      | 710      | 780      |
| 70                | 120      | 220      | 290      | 390      | 480      | 570      | 650      | 720      | 780      |
| 71                | 120      | 220      | 300      | 390      | 480      | 570      | 650      | 720      | 790      |
| 72                | 120      | 220      | 300      | 390      | 480      | 570      | 650      | 730      | 790      |

**Table G. End-of-Year Math: Overall**

| <b>Percentile</b> | <b>K</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 73                | 120      | 220      | 300      | 400      | 490      | 580      | 660      | 730      | 800      |
| 74                | 120      | 220      | 300      | 400      | 490      | 580      | 660      | 740      | 800      |
| 75                | 130      | 230      | 300      | 400      | 490      | 580      | 670      | 740      | 810      |
| 76                | 130      | 230      | 300      | 400      | 490      | 590      | 670      | 750      | 810      |
| 77                | 130      | 230      | 310      | 410      | 500      | 590      | 670      | 750      | 820      |
| 78                | 130      | 230      | 310      | 410      | 500      | 590      | 680      | 760      | 830      |
| 79                | 140      | 230      | 310      | 410      | 500      | 600      | 680      | 760      | 830      |
| 80                | 140      | 240      | 310      | 410      | 510      | 600      | 690      | 770      | 840      |
| 81                | 140      | 240      | 310      | 410      | 510      | 610      | 690      | 770      | 840      |
| 82                | 140      | 240      | 320      | 420      | 510      | 610      | 700      | 780      | 850      |
| 83                | 150      | 240      | 320      | 420      | 510      | 610      | 700      | 780      | 850      |
| 84                | 150      | 240      | 320      | 420      | 520      | 620      | 710      | 790      | 860      |
| 85                | 150      | 250      | 320      | 420      | 520      | 620      | 710      | 790      | 870      |
| 86                | 150      | 250      | 330      | 430      | 530      | 630      | 720      | 800      | 870      |
| 87                | 160      | 250      | 330      | 430      | 530      | 630      | 720      | 810      | 880      |
| 88                | 160      | 250      | 330      | 430      | 530      | 640      | 730      | 810      | 890      |
| 89                | 160      | 260      | 340      | 440      | 540      | 640      | 730      | 820      | 890      |
| 90                | 170      | 260      | 340      | 440      | 540      | 650      | 740      | 830      | 900      |
| 91                | 170      | 260      | 340      | 450      | 550      | 660      | 740      | 840      | 910      |
| 92                | 180      | 270      | 350      | 450      | 550      | 660      | 750      | 850      | 920      |
| 93                | 180      | 270      | 350      | 450      | 560      | 670      | 760      | 860      | 930      |
| 94                | 190      | 270      | 360      | 460      | 570      | 680      | 770      | 870      | 940      |
| 95                | 190      | 280      | 370      | 470      | 580      | 690      | 780      | 880      | 950      |
| 96                | 200      | 290      | 380      | 480      | 600      | 710      | 800      | 900      | 970      |
| 97                | 210      | 300      | 390      | 490      | 610      | 730      | 820      | 910      | 980      |
| 98                | 230      | 310      | 400      | 510      | 640      | 750      | 850      | 940      | 1010     |
| 99                | 250      | 340      | 430      | 540      | 690      | 810      | 890      | 980      | 1040     |

**Table H. End-of-Year ELA: Overall**

| <b>Percentile</b> | <b>K</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 1                 | -        | 20       | 50       | 70       | 80       | 90       | 90       | 100      | 130      |
| 2                 | 10       | 40       | 60       | 80       | 110      | 130      | 140      | 150      | 190      |
| 3                 | 10       | 50       | 80       | 100      | 130      | 160      | 170      | 190      | 220      |
| 4                 | 20       | 50       | 80       | 110      | 160      | 180      | 200      | 220      | 250      |
| 5                 | 20       | 60       | 90       | 120      | 170      | 200      | 220      | 240      | 270      |
| 6                 | 20       | 60       | 90       | 140      | 190      | 220      | 240      | 260      | 290      |
| 7                 | 20       | 70       | 100      | 150      | 200      | 230      | 250      | 270      | 310      |
| 8                 | 30       | 70       | 100      | 160      | 210      | 250      | 270      | 290      | 330      |
| 9                 | 30       | 80       | 110      | 170      | 220      | 260      | 280      | 300      | 340      |
| 10                | 30       | 80       | 120      | 171      | 230      | 270      | 290      | 320      | 360      |
| 11                | 30       | 80       | 120      | 180      | 230      | 280      | 300      | 330      | 370      |
| 12                | 40       | 80       | 130      | 190      | 240      | 280      | 310      | 340      | 390      |
| 13                | 40       | 90       | 140      | 200      | 250      | 290      | 320      | 350      | 400      |
| 14                | 40       | 90       | 140      | 200      | 260      | 300      | 330      | 360      | 410      |
| 15                | 40       | 90       | 150      | 210      | 260      | 310      | 340      | 370      | 420      |
| 16                | 40       | 90       | 150      | 210      | 270      | 310      | 350      | 380      | 430      |
| 17                | 50       | 90       | 160      | 210      | 270      | 320      | 360      | 390      | 440      |
| 18                | 50       | 100      | 160      | 220      | 280      | 330      | 370      | 400      | 460      |
| 19                | 50       | 100      | 170      | 230      | 290      | 340      | 380      | 410      | 470      |
| 20                | 50       | 100      | 170      | 230      | 290      | 340      | 390      | 420      | 480      |
| 21                | 50       | 100      | 170      | 230      | 300      | 350      | 390      | 430      | 490      |
| 22                | 50       | 100      | 180      | 240      | 300      | 360      | 400      | 440      | 500      |
| 23                | 60       | 110      | 180      | 240      | 310      | 360      | 410      | 450      | 510      |
| 24                | 60       | 110      | 190      | 250      | 310      | 370      | 420      | 460      | 520      |
| 25                | 60       | 110      | 190      | 250      | 320      | 370      | 430      | 470      | 530      |
| 26                | 60       | 110      | 190      | 253      | 320      | 380      | 430      | 470      | 540      |
| 27                | 60       | 120      | 190      | 260      | 330      | 390      | 440      | 480      | 550      |
| 28                | 60       | 120      | 200      | 260      | 330      | 390      | 450      | 490      | 560      |
| 29                | 60       | 120      | 200      | 270      | 340      | 400      | 460      | 500      | 570      |
| 30                | 70       | 120      | 200      | 270      | 340      | 410      | 460      | 510      | 570      |
| 31                | 70       | 130      | 210      | 270      | 350      | 410      | 470      | 510      | 580      |
| 32                | 70       | 130      | 210      | 280      | 350      | 420      | 480      | 520      | 590      |
| 33                | 70       | 130      | 210      | 280      | 360      | 420      | 480      | 530      | 600      |
| 34                | 70       | 130      | 210      | 280      | 360      | 430      | 490      | 540      | 610      |
| 35                | 70       | 130      | 220      | 290      | 370      | 430      | 500      | 550      | 620      |
| 36                | 70       | 140      | 220      | 290      | 370      | 440      | 510      | 560      | 630      |
| 37                | 70       | 140      | 220      | 290      | 380      | 440      | 510      | 560      | 640      |
| 38                | 70       | 140      | 220      | 300      | 380      | 450      | 520      | 570      | 640      |
| 39                | 80       | 140      | 230      | 300      | 380      | 460      | 520      | 580      | 650      |

**Table H. End-of-Year ELA: Overall**

| <b>Percentile</b> | <b>K</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 40                | 80       | 150      | 230      | 300      | 390      | 460      | 530      | 590      | 660      |
| 41                | 80       | 150      | 230      | 310      | 390      | 470      | 540      | 600      | 670      |
| 42                | 80       | 150      | 230      | 310      | 400      | 470      | 540      | 600      | 680      |
| 43                | 80       | 150      | 240      | 310      | 400      | 480      | 550      | 610      | 690      |
| 44                | 80       | 160      | 240      | 320      | 410      | 480      | 560      | 620      | 690      |
| 45                | 80       | 160      | 240      | 320      | 410      | 490      | 560      | 630      | 700      |
| 46                | 80       | 160      | 240      | 320      | 410      | 490      | 570      | 630      | 710      |
| 47                | 80       | 160      | 250      | 330      | 420      | 500      | 580      | 640      | 720      |
| 48                | 80       | 160      | 250      | 330      | 420      | 500      | 580      | 650      | 720      |
| 49                | 90       | 170      | 250      | 330      | 430      | 510      | 590      | 660      | 730      |
| 50                | 90       | 170      | 250      | 340      | 430      | 510      | 590      | 660      | 740      |
| 51                | 90       | 170      | 260      | 340      | 440      | 520      | 600      | 670      | 750      |
| 52                | 90       | 170      | 260      | 340      | 440      | 520      | 610      | 680      | 750      |
| 53                | 90       | 180      | 260      | 350      | 440      | 530      | 610      | 690      | 760      |
| 54                | 90       | 180      | 260      | 350      | 450      | 530      | 620      | 690      | 770      |
| 55                | 90       | 180      | 270      | 350      | 450      | 540      | 630      | 700      | 780      |
| 56                | 90       | 180      | 270      | 360      | 460      | 550      | 630      | 710      | 780      |
| 57                | 90       | 180      | 270      | 360      | 460      | 550      | 640      | 720      | 790      |
| 58                | 90       | 190      | 270      | 360      | 470      | 560      | 650      | 720      | 800      |
| 59                | 90       | 190      | 280      | 370      | 470      | 560      | 650      | 730      | 800      |
| 60                | 100      | 190      | 280      | 370      | 480      | 570      | 660      | 730      | 810      |
| 61                | 100      | 190      | 280      | 370      | 480      | 570      | 660      | 740      | 820      |
| 62                | 100      | 190      | 280      | 380      | 490      | 580      | 670      | 750      | 830      |
| 63                | 100      | 200      | 290      | 380      | 490      | 580      | 680      | 760      | 830      |
| 64                | 100      | 200      | 290      | 380      | 490      | 590      | 680      | 760      | 840      |
| 65                | 100      | 200      | 290      | 390      | 500      | 600      | 690      | 770      | 850      |
| 66                | 100      | 200      | 300      | 390      | 510      | 600      | 690      | 780      | 860      |
| 67                | 100      | 210      | 300      | 400      | 510      | 610      | 700      | 780      | 860      |
| 68                | 100      | 210      | 300      | 400      | 510      | 610      | 710      | 790      | 870      |
| 69                | 110      | 210      | 300      | 400      | 520      | 620      | 710      | 800      | 880      |
| 70                | 110      | 210      | 310      | 410      | 530      | 630      | 720      | 810      | 890      |
| 71                | 110      | 220      | 310      | 410      | 530      | 630      | 730      | 810      | 900      |
| 72                | 110      | 220      | 310      | 420      | 540      | 640      | 730      | 820      | 900      |
| 73                | 110      | 220      | 320      | 420      | 540      | 640      | 740      | 830      | 910      |
| 74                | 120      | 220      | 320      | 420      | 550      | 650      | 750      | 840      | 920      |
| 75                | 120      | 230      | 320      | 430      | 550      | 660      | 750      | 840      | 930      |
| 76                | 120      | 230      | 330      | 430      | 560      | 661      | 760      | 850      | 940      |
| 77                | 120      | 230      | 330      | 440      | 570      | 670      | 760      | 860      | 950      |
| 78                | 130      | 230      | 340      | 440      | 570      | 680      | 770      | 870      | 960      |
| 79                | 130      | 240      | 340      | 450      | 580      | 690      | 780      | 880      | 970      |

**Table H. End-of-Year ELA: Overall**

| <b>Percentile</b> | <b>K</b> | <b>1</b> | <b>2</b> | <b>3</b> | <b>4</b> | <b>5</b> | <b>6</b> | <b>7</b> | <b>8</b> |
|-------------------|----------|----------|----------|----------|----------|----------|----------|----------|----------|
| 80                | 130      | 240      | 340      | 450      | 590      | 690      | 790      | 890      | 980      |
| 81                | 130      | 240      | 350      | 460      | 600      | 700      | 800      | 900      | 990      |
| 82                | 140      | 250      | 350      | 470      | 600      | 710      | 800      | 910      | 1000     |
| 83                | 140      | 250      | 360      | 470      | 610      | 720      | 810      | 920      | 1010     |
| 84                | 140      | 250      | 360      | 480      | 620      | 730      | 820      | 930      | 1030     |
| 85                | 150      | 260      | 370      | 490      | 630      | 730      | 830      | 940      | 1040     |
| 86                | 150      | 260      | 370      | 490      | 640      | 740      | 840      | 950      | 1050     |
| 87                | 150      | 270      | 380      | 500      | 650      | 750      | 850      | 970      | 1060     |
| 88                | 160      | 270      | 390      | 510      | 660      | 760      | 870      | 980      | 1080     |
| 89                | 160      | 280      | 400      | 520      | 670      | 770      | 880      | 990      | 1090     |
| 90                | 170      | 280      | 400      | 530      | 680      | 780      | 890      | 1010     | 1100     |
| 91                | 180      | 290      | 410      | 540      | 690      | 800      | 910      | 1030     | 1120     |
| 92                | 180      | 290      | 420      | 550      | 700      | 810      | 930      | 1040     | 1130     |
| 93                | 190      | 300      | 430      | 570      | 710      | 830      | 950      | 1060     | 1150     |
| 94                | 190      | 310      | 440      | 580      | 730      | 850      | 970      | 1080     | 1160     |
| 95                | 200      | 320      | 460      | 600      | 750      | 872      | 1000     | 1110     | 1180     |
| 96                | 220      | 330      | 471      | 620      | 770      | 900      | 1030     | 1130     | 1190     |
| 97                | 230      | 350      | 500      | 650      | 790      | 940      | 1060     | 1150     | 1210     |
| 98                | 250      | 370      | 530      | 690      | 830      | 990      | 1110     | 1180     | 1230     |
| 99                | 290      | 420      | 580      | 750      | 900      | 1070     | 1170     | 1220     | 1260     |

## High School

Table J. 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      | 100 | 180 | 170      | 190 | 190 | 100      | 119 | 100 |
| 2          | 200     | 230 | 250 | 230      | 140 | 250 | 220      | 250 | 260 | 190      | 207 | 200 |
| 3          | 240     | 270 | 280 | 270      | 170 | 290 | 250      | 290 | 300 | 240      | 250 | 250 |
| 4          | 270     | 300 | 310 | 300      | 190 | 320 | 270      | 320 | 330 | 270      | 280 | 280 |
| 5          | 290     | 320 | 330 | 320      | 200 | 340 | 290      | 340 | 350 | 300      | 300 | 300 |
| 6          | 310     | 340 | 350 | 330      | 210 | 360 | 300      | 360 | 370 | 320      | 330 | 320 |
| 7          | 320     | 350 | 360 | 350      | 230 | 375 | 310      | 380 | 390 | 340      | 350 | 340 |
| 8          | 330     | 360 | 380 | 360      | 240 | 390 | 320      | 400 | 410 | 350      | 360 | 360 |
| 9          | 350     | 380 | 390 | 380      | 240 | 410 | 330      | 410 | 420 | 370      | 380 | 380 |
| 10         | 360     | 390 | 410 | 390      | 250 | 420 | 340      | 420 | 430 | 380      | 390 | 390 |
| 11         | 370     | 400 | 420 | 400      | 260 | 430 | 350      | 440 | 450 | 400      | 410 | 410 |
| 12         | 370     | 410 | 430 | 410      | 260 | 440 | 360      | 450 | 460 | 410      | 420 | 420 |
| 13         | 380     | 420 | 440 | 420      | 270 | 450 | 360      | 460 | 470 | 420      | 430 | 430 |
| 14         | 390     | 430 | 450 | 430      | 280 | 470 | 370      | 470 | 480 | 430      | 440 | 440 |
| 15         | 400     | 440 | 460 | 440      | 280 | 480 | 380      | 480 | 490 | 440      | 450 | 460 |
| 16         | 410     | 450 | 470 | 440      | 280 | 490 | 380      | 490 | 500 | 450      | 460 | 470 |
| 17         | 420     | 460 | 480 | 450      | 290 | 490 | 390      | 500 | 510 | 460      | 470 | 480 |
| 18         | 420     | 460 | 490 | 460      | 290 | 500 | 400      | 510 | 520 | 470      | 480 | 490 |
| 19         | 430     | 470 | 490 | 470      | 180 | 510 | 160      | 510 | 530 | 480      | 490 | 490 |
| 20         | 440     | 480 | 500 | 470      | 240 | 520 | 240      | 520 | 540 | 490      | 500 | 500 |
| 21         | 440     | 480 | 510 | 480      | 280 | 530 | 280      | 530 | 550 | 490      | 510 | 510 |
| 22         | 450     | 490 | 520 | 490      | 310 | 540 | 310      | 540 | 560 | 500      | 510 | 520 |
| 23         | 460     | 500 | 520 | 490      | 330 | 540 | 330      | 540 | 570 | 510      | 520 | 530 |
| 24         | 460     | 500 | 530 | 500      | 350 | 550 | 340      | 550 | 570 | 520      | 530 | 530 |
| 25         | 470     | 510 | 540 | 510      | 370 | 560 | 360      | 560 | 580 | 520      | 530 | 540 |
| 26         | 480     | 520 | 540 | 510      | 380 | 570 | 380      | 560 | 590 | 530      | 540 | 550 |
| 27         | 480     | 520 | 550 | 520      | 390 | 570 | 390      | 570 | 590 | 540      | 550 | 560 |
| 28         | 490     | 530 | 560 | 530      | 410 | 580 | 400      | 580 | 600 | 540      | 560 | 560 |
| 29         | 490     | 530 | 560 | 530      | 420 | 580 | 410      | 580 | 610 | 550      | 560 | 570 |
| 30         | 500     | 540 | 570 | 540      | 430 | 590 | 420      | 590 | 610 | 560      | 570 | 580 |
| 31         | 510     | 540 | 570 | 540      | 440 | 590 | 430      | 600 | 620 | 560      | 580 | 580 |
| 32         | 510     | 550 | 580 | 550      | 450 | 600 | 440      | 600 | 620 | 570      | 580 | 590 |
| 33         | 520     | 560 | 580 | 550      | 460 | 610 | 450      | 610 | 630 | 570      | 590 | 590 |

Table J. Math: Overall

| Percentile | Grade 9 |     |     | Grade 10 |     |     | Grade 11 |     |     | Grade 12 |     |     |
|------------|---------|-----|-----|----------|-----|-----|----------|-----|-----|----------|-----|-----|
|            | BOY     | MOY | EOY | BOY      | MOY | EOY | BOY      | MOY | EOY | BOY      | MOY | EOY |
| 34         | 520     | 560 | 590 | 560      | 470 | 610 | 460      | 610 | 630 | 580      | 590 | 600 |
| 35         | 530     | 570 | 600 | 560      | 480 | 620 | 470      | 620 | 640 | 590      | 600 | 610 |
| 36         | 530     | 570 | 600 | 570      | 490 | 620 | 480      | 620 | 640 | 590      | 610 | 620 |
| 37         | 540     | 580 | 610 | 570      | 490 | 630 | 490      | 630 | 650 | 600      | 610 | 620 |
| 38         | 540     | 580 | 610 | 580      | 500 | 630 | 490      | 630 | 660 | 600      | 620 | 630 |
| 39         | 550     | 590 | 620 | 580      | 510 | 640 | 500      | 640 | 660 | 610      | 620 | 640 |
| 40         | 550     | 590 | 620 | 590      | 510 | 640 | 510      | 640 | 670 | 620      | 630 | 640 |
| 41         | 560     | 600 | 630 | 590      | 520 | 650 | 520      | 650 | 670 | 620      | 630 | 650 |
| 42         | 560     | 600 | 630 | 600      | 530 | 650 | 520      | 660 | 680 | 630      | 640 | 660 |
| 43         | 570     | 610 | 640 | 600      | 540 | 660 | 530      | 660 | 680 | 630      | 650 | 660 |
| 44         | 570     | 610 | 640 | 610      | 540 | 660 | 530      | 670 | 690 | 640      | 650 | 670 |
| 45         | 580     | 620 | 650 | 610      | 550 | 670 | 540      | 670 | 690 | 640      | 660 | 670 |
| 46         | 580     | 620 | 650 | 620      | 550 | 670 | 550      | 680 | 700 | 650      | 660 | 680 |
| 47         | 590     | 620 | 660 | 620      | 560 | 680 | 550      | 680 | 700 | 650      | 670 | 690 |
| 48         | 590     | 630 | 660 | 630      | 560 | 680 | 560      | 690 | 710 | 660      | 670 | 690 |
| 49         | 600     | 630 | 670 | 630      | 570 | 690 | 570      | 690 | 710 | 660      | 680 | 696 |
| 50         | 600     | 640 | 670 | 640      | 580 | 690 | 570      | 700 | 720 | 670      | 680 | 700 |
| 51         | 610     | 640 | 680 | 640      | 580 | 700 | 580      | 700 | 720 | 670      | 690 | 710 |
| 52         | 610     | 650 | 680 | 650      | 590 | 700 | 580      | 710 | 730 | 680      | 700 | 710 |
| 53         | 620     | 650 | 680 | 650      | 590 | 700 | 590      | 710 | 730 | 680      | 700 | 720 |
| 54         | 620     | 660 | 690 | 660      | 600 | 710 | 590      | 720 | 740 | 690      | 710 | 720 |
| 55         | 630     | 660 | 690 | 660      | 600 | 710 | 600      | 720 | 740 | 700      | 710 | 730 |
| 56         | 630     | 670 | 700 | 670      | 610 | 720 | 600      | 720 | 750 | 700      | 720 | 730 |
| 57         | 640     | 670 | 700 | 670      | 610 | 720 | 610      | 730 | 750 | 710      | 720 | 740 |
| 58         | 640     | 680 | 710 | 680      | 620 | 730 | 610      | 730 | 760 | 710      | 730 | 740 |
| 59         | 650     | 680 | 710 | 680      | 620 | 730 | 620      | 740 | 760 | 720      | 730 | 750 |
| 60         | 650     | 690 | 720 | 690      | 630 | 740 | 620      | 740 | 770 | 720      | 740 | 760 |
| 61         | 660     | 690 | 720 | 690      | 630 | 740 | 630      | 750 | 770 | 730      | 740 | 760 |
| 62         | 660     | 690 | 730 | 700      | 640 | 750 | 639      | 750 | 780 | 730      | 750 | 770 |
| 63         | 670     | 700 | 730 | 700      | 640 | 750 | 640      | 760 | 780 | 740      | 760 | 770 |
| 64         | 670     | 700 | 740 | 710      | 650 | 760 | 640      | 760 | 790 | 740      | 760 | 780 |
| 65         | 680     | 710 | 740 | 710      | 650 | 760 | 650      | 770 | 800 | 750      | 770 | 780 |
| 66         | 680     | 710 | 750 | 710      | 660 | 770 | 650      | 780 | 800 | 750      | 770 | 790 |
| 67         | 690     | 720 | 750 | 720      | 660 | 770 | 660      | 780 | 810 | 760      | 780 | 800 |
| 68         | 690     | 720 | 760 | 720      | 670 | 780 | 660      | 790 | 810 | 770      | 780 | 800 |
| 69         | 700     | 730 | 760 | 730      | 670 | 790 | 670      | 790 | 820 | 770      | 790 | 810 |
| 70         | 700     | 730 | 770 | 740      | 680 | 790 | 670      | 800 | 830 | 780      | 800 | 820 |
| 71         | 710     | 740 | 770 | 740      | 680 | 800 | 680      | 800 | 830 | 780      | 800 | 820 |

**Table J. Math: Overall**

| Percentile | Grade 9 |      |      | Grade 10 |      |      | Grade 11 |      |      | Grade 12 |      |      |
|------------|---------|------|------|----------|------|------|----------|------|------|----------|------|------|
|            | BOY     | MOY  | EOY  | BOY      | MOY  | EOY  | BOY      | MOY  | EOY  | BOY      | MOY  | EOY  |
| 72         | 710     | 740  | 780  | 740      | 690  | 800  | 680      | 810  | 840  | 790      | 810  | 830  |
| 73         | 720     | 750  | 780  | 750      | 690  | 810  | 690      | 820  | 840  | 790      | 820  | 840  |
| 74         | 720     | 750  | 790  | 760      | 700  | 810  | 690      | 820  | 850  | 800      | 820  | 850  |
| 75         | 730     | 760  | 790  | 760      | 700  | 820  | 700      | 830  | 860  | 810      | 830  | 850  |
| 76         | 730     | 760  | 800  | 770      | 710  | 820  | 700      | 830  | 860  | 810      | 840  | 860  |
| 77         | 740     | 770  | 800  | 770      | 710  | 830  | 710      | 840  | 870  | 820      | 840  | 870  |
| 78         | 740     | 770  | 810  | 780      | 720  | 840  | 710      | 850  | 870  | 830      | 850  | 870  |
| 79         | 750     | 780  | 810  | 780      | 720  | 840  | 720      | 850  | 880  | 840      | 860  | 880  |
| 80         | 760     | 790  | 820  | 790      | 730  | 850  | 720      | 860  | 890  | 840      | 860  | 890  |
| 81         | 760     | 790  | 830  | 800      | 730  | 860  | 730      | 870  | 900  | 850      | 870  | 900  |
| 82         | 770     | 800  | 830  | 800      | 740  | 870  | 730      | 870  | 900  | 860      | 880  | 910  |
| 83         | 780     | 810  | 840  | 810      | 740  | 870  | 740      | 880  | 910  | 870      | 890  | 920  |
| 84         | 780     | 810  | 840  | 810      | 750  | 880  | 740      | 890  | 920  | 880      | 900  | 930  |
| 85         | 790     | 820  | 850  | 820      | 750  | 890  | 750      | 900  | 930  | 890      | 910  | 940  |
| 86         | 800     | 830  | 860  | 830      | 760  | 900  | 750      | 900  | 940  | 893      | 920  | 950  |
| 87         | 810     | 840  | 870  | 840      | 760  | 910  | 760      | 910  | 950  | 900      | 930  | 960  |
| 88         | 810     | 840  | 870  | 850      | 770  | 920  | 760      | 920  | 960  | 910      | 940  | 961  |
| 89         | 820     | 850  | 880  | 860      | 770  | 930  | 770      | 930  | 970  | 920      | 950  | 980  |
| 90         | 830     | 860  | 890  | 860      | 780  | 940  | 770      | 940  | 980  | 930      | 960  | 990  |
| 91         | 840     | 870  | 900  | 880      | 780  | 950  | 780      | 950  | 990  | 950      | 980  | 1010 |
| 92         | 850     | 880  | 910  | 890      | 790  | 960  | 780      | 960  | 1010 | 960      | 990  | 1020 |
| 93         | 860     | 890  | 920  | 900      | 790  | 980  | 790      | 980  | 1020 | 980      | 1010 | 1040 |
| 94         | 880     | 900  | 930  | 910      | 800  | 990  | 800      | 990  | 1040 | 1000     | 1030 | 1060 |
| 95         | 890     | 910  | 950  | 920      | 810  | 1010 | 800      | 1010 | 1060 | 1020     | 1060 | 1080 |
| 96         | 900     | 930  | 960  | 940      | 810  | 1030 | 810      | 1030 | 1080 | 1050     | 1080 | 1100 |
| 97         | 920     | 950  | 980  | 960      | 820  | 1050 | 810      | 1050 | 1110 | 1080     | 1110 | 1130 |
| 98         | 950     | 970  | 1010 | 990      | 830  | 1086 | 820      | 1090 | 1150 | 1120     | 1150 | 1170 |
| 99         | 990     | 1010 | 1050 | 1040     | 1090 | 1130 | 1110     | 1130 | 1190 | 1180     | 1200 | 1210 |

Table K. 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       | 97  | 90  |
| 2          | 130     | 140 | 140 | 150      | 160 | 170 | 180      | 190 | 200 | 150      | 170 | 160 |
| 3          | 180     | 180 | 190 | 190      | 200 | 210 | 220      | 230 | 240 | 200      | 210 | 210 |
| 4          | 210     | 210 | 220 | 230      | 240 | 250 | 260      | 260 | 270 | 240      | 240 | 240 |
| 5          | 230     | 240 | 250 | 250      | 260 | 270 | 280      | 290 | 300 | 270      | 270 | 270 |
| 6          | 250     | 260 | 270 | 280      | 290 | 300 | 310      | 310 | 320 | 300      | 300 | 290 |
| 7          | 270     | 280 | 290 | 300      | 310 | 320 | 330      | 330 | 340 | 320      | 320 | 310 |
| 8          | 290     | 300 | 310 | 320      | 330 | 340 | 350      | 350 | 370 | 340      | 340 | 330 |
| 9          | 310     | 310 | 330 | 340      | 350 | 360 | 370      | 370 | 390 | 360      | 360 | 350 |
| 10         | 320     | 330 | 340 | 350      | 370 | 370 | 380      | 390 | 400 | 380      | 380 | 370 |
| 11         | 330     | 340 | 360 | 370      | 380 | 390 | 400      | 410 | 420 | 400      | 400 | 380 |
| 12         | 350     | 360 | 370 | 380      | 400 | 400 | 410      | 430 | 440 | 410      | 420 | 400 |
| 13         | 360     | 370 | 380 | 400      | 410 | 420 | 430      | 440 | 450 | 430      | 430 | 420 |
| 14         | 370     | 380 | 400 | 410      | 430 | 430 | 450      | 450 | 470 | 450      | 450 | 430 |
| 15         | 390     | 390 | 410 | 420      | 440 | 440 | 460      | 470 | 480 | 460      | 460 | 450 |
| 16         | 400     | 410 | 420 | 440      | 450 | 460 | 480      | 480 | 490 | 480      | 480 | 470 |
| 17         | 410     | 420 | 430 | 450      | 470 | 470 | 490      | 490 | 510 | 490      | 490 | 480 |
| 18         | 420     | 430 | 450 | 460      | 480 | 480 | 500      | 510 | 520 | 510      | 510 | 490 |
| 19         | 430     | 440 | 460 | 480      | 490 | 500 | 520      | 520 | 530 | 520      | 520 | 510 |
| 20         | 440     | 450 | 470 | 490      | 510 | 510 | 530      | 530 | 550 | 540      | 540 | 520 |
| 21         | 450     | 460 | 480 | 500      | 520 | 520 | 540      | 540 | 560 | 550      | 550 | 540 |
| 22         | 470     | 470 | 490 | 510      | 530 | 530 | 560      | 560 | 580 | 570      | 570 | 550 |
| 23         | 470     | 480 | 500 | 520      | 540 | 550 | 570      | 570 | 590 | 580      | 580 | 560 |
| 24         | 480     | 490 | 510 | 530      | 560 | 560 | 580      | 590 | 600 | 590      | 600 | 580 |
| 25         | 490     | 500 | 520 | 540      | 570 | 570 | 590      | 600 | 610 | 600      | 610 | 590 |
| 26         | 500     | 520 | 530 | 560      | 580 | 580 | 610      | 610 | 630 | 620      | 620 | 610 |
| 27         | 510     | 530 | 540 | 570      | 590 | 593 | 620      | 620 | 640 | 630      | 630 | 620 |
| 28         | 520     | 540 | 550 | 580      | 600 | 610 | 630      | 630 | 650 | 640      | 640 | 630 |
| 29         | 540     | 540 | 560 | 590      | 610 | 620 | 640      | 650 | 660 | 660      | 650 | 640 |
| 30         | 550     | 550 | 570 | 600      | 620 | 630 | 650      | 660 | 670 | 670      | 670 | 660 |
| 31         | 550     | 560 | 580 | 610      | 630 | 640 | 670      | 670 | 680 | 680      | 680 | 670 |
| 32         | 560     | 570 | 590 | 620      | 640 | 650 | 680      | 680 | 690 | 690      | 690 | 680 |
| 33         | 570     | 580 | 600 | 630      | 650 | 660 | 690      | 690 | 700 | 700      | 700 | 690 |
| 34         | 580     | 590 | 610 | 640      | 660 | 670 | 700      | 700 | 710 | 710      | 710 | 700 |
| 35         | 590     | 600 | 620 | 650      | 670 | 680 | 710      | 710 | 720 | 720      | 720 | 710 |
| 36         | 600     | 610 | 630 | 660      | 680 | 690 | 720      | 720 | 730 | 730      | 730 | 720 |
| 37         | 610     | 620 | 650 | 670      | 690 | 700 | 730      | 730 | 740 | 740      | 740 | 730 |

Table K. ELA: Overall

| Percentile | Grade 9 |     |     | Grade 10 |      |      | Grade 11 |      |      | Grade 12 |      |      |
|------------|---------|-----|-----|----------|------|------|----------|------|------|----------|------|------|
|            | BOY     | MOY | EOY | BOY      | MOY  | EOY  | BOY      | MOY  | EOY  | BOY      | MOY  | EOY  |
| 38         | 620     | 630 | 650 | 680      | 700  | 710  | 740      | 740  | 750  | 750      | 750  | 740  |
| 39         | 630     | 640 | 660 | 690      | 710  | 720  | 750      | 750  | 760  | 770      | 760  | 750  |
| 40         | 640     | 650 | 670 | 700      | 720  | 730  | 760      | 760  | 770  | 780      | 770  | 760  |
| 41         | 640     | 660 | 680 | 710      | 730  | 740  | 760      | 770  | 780  | 790      | 780  | 770  |
| 42         | 650     | 670 | 690 | 720      | 740  | 750  | 770      | 770  | 790  | 800      | 790  | 780  |
| 43         | 660     | 680 | 700 | 720      | 750  | 760  | 780      | 780  | 800  | 810      | 800  | 790  |
| 44         | 670     | 690 | 710 | 730      | 760  | 770  | 790      | 790  | 810  | 820      | 810  | 800  |
| 45         | 680     | 690 | 720 | 740      | 770  | 780  | 800      | 800  | 820  | 830      | 820  | 820  |
| 46         | 690     | 700 | 730 | 750      | 780  | 790  | 810      | 810  | 830  | 840      | 830  | 830  |
| 47         | 700     | 710 | 730 | 760      | 790  | 800  | 820      | 820  | 840  | 850      | 840  | 840  |
| 48         | 700     | 720 | 740 | 770      | 800  | 810  | 830      | 830  | 850  | 850      | 850  | 840  |
| 49         | 710     | 730 | 750 | 780      | 800  | 820  | 840      | 840  | 860  | 860      | 860  | 850  |
| 50         | 720     | 740 | 760 | 790      | 810  | 830  | 840      | 850  | 860  | 870      | 870  | 860  |
| 51         | 730     | 750 | 770 | 800      | 820  | 840  | 850      | 860  | 870  | 880      | 880  | 870  |
| 52         | 740     | 750 | 780 | 800      | 830  | 850  | 860      | 860  | 880  | 890      | 890  | 890  |
| 53         | 740     | 760 | 790 | 810      | 840  | 860  | 870      | 870  | 890  | 900      | 900  | 900  |
| 54         | 750     | 770 | 800 | 820      | 850  | 870  | 880      | 880  | 900  | 910      | 910  | 910  |
| 55         | 760     | 780 | 810 | 830      | 860  | 870  | 890      | 890  | 910  | 910      | 920  | 910  |
| 56         | 770     | 790 | 810 | 840      | 860  | 880  | 890      | 900  | 920  | 920      | 920  | 920  |
| 57         | 780     | 800 | 820 | 850      | 870  | 890  | 900      | 910  | 930  | 930      | 930  | 930  |
| 58         | 790     | 810 | 830 | 855      | 880  | 900  | 910      | 910  | 940  | 940      | 940  | 940  |
| 59         | 790     | 810 | 840 | 860      | 890  | 910  | 920      | 920  | 940  | 940      | 950  | 950  |
| 60         | 800     | 820 | 850 | 870      | 900  | 920  | 920      | 930  | 950  | 950      | 960  | 960  |
| 61         | 810     | 830 | 860 | 880      | 900  | 930  | 930      | 940  | 960  | 960      | 960  | 970  |
| 62         | 820     | 840 | 870 | 890      | 910  | 930  | 940      | 950  | 970  | 970      | 970  | 980  |
| 63         | 820     | 850 | 880 | 900      | 920  | 940  | 950      | 960  | 980  | 980      | 980  | 980  |
| 64         | 830     | 860 | 890 | 910      | 930  | 950  | 950      | 970  | 990  | 980      | 990  | 990  |
| 65         | 840     | 860 | 890 | 910      | 940  | 960  | 960      | 970  | 1000 | 990      | 1000 | 1000 |
| 66         | 850     | 870 | 900 | 920      | 950  | 970  | 970      | 980  | 1010 | 1000     | 1000 | 1010 |
| 67         | 860     | 880 | 910 | 930      | 950  | 980  | 980      | 990  | 1010 | 1010     | 1010 | 1010 |
| 68         | 860     | 890 | 920 | 940      | 960  | 980  | 980      | 1000 | 1020 | 1010     | 1020 | 1020 |
| 69         | 870     | 900 | 930 | 950      | 970  | 990  | 990      | 1010 | 1030 | 1020     | 1030 | 1030 |
| 70         | 880     | 910 | 940 | 950      | 980  | 1000 | 1000     | 1020 | 1040 | 1030     | 1040 | 1040 |
| 71         | 890     | 920 | 950 | 960      | 990  | 1010 | 1010     | 1020 | 1050 | 1040     | 1040 | 1050 |
| 72         | 900     | 930 | 960 | 970      | 990  | 1020 | 1010     | 1030 | 1060 | 1040     | 1050 | 1050 |
| 73         | 910     | 940 | 970 | 980      | 1000 | 1030 | 1020     | 1040 | 1070 | 1050     | 1060 | 1060 |
| 74         | 920     | 940 | 980 | 980      | 1010 | 1040 | 1030     | 1050 | 1070 | 1060     | 1070 | 1070 |
| 75         | 930     | 950 | 990 | 990      | 1020 | 1040 | 1040     | 1060 | 1080 | 1070     | 1070 | 1080 |

**Table K. ELA: Overall**

| Percentile | Grade 9 |      |      | Grade 10 |      |      | Grade 11 |      |      | Grade 12 |      |      |
|------------|---------|------|------|----------|------|------|----------|------|------|----------|------|------|
|            | BOY     | MOY  | EOY  | BOY      | MOY  | EOY  | BOY      | MOY  | EOY  | BOY      | MOY  | EOY  |
| 76         | 930     | 960  | 1000 | 1000     | 1030 | 1050 | 1040     | 1060 | 1090 | 1070     | 1080 | 1090 |
| 77         | 940     | 970  | 1010 | 1010     | 1040 | 1060 | 1050     | 1070 | 1100 | 1080     | 1090 | 1090 |
| 78         | 950     | 980  | 1020 | 1020     | 1040 | 1070 | 1060     | 1080 | 1110 | 1090     | 1090 | 1100 |
| 79         | 960     | 990  | 1030 | 1030     | 1050 | 1080 | 1070     | 1090 | 1110 | 1090     | 1100 | 1110 |
| 80         | 970     | 1000 | 1040 | 1030     | 1060 | 1080 | 1070     | 1100 | 1120 | 1100     | 1110 | 1120 |
| 81         | 980     | 1010 | 1050 | 1040     | 1070 | 1090 | 1080     | 1100 | 1130 | 1110     | 1120 | 1120 |
| 82         | 990     | 1020 | 1060 | 1050     | 1080 | 1100 | 1090     | 1110 | 1130 | 1118     | 1120 | 1130 |
| 83         | 1000    | 1030 | 1070 | 1060     | 1090 | 1110 | 1100     | 1120 | 1140 | 1120     | 1130 | 1140 |
| 84         | 1010    | 1040 | 1080 | 1070     | 1100 | 1120 | 1110     | 1130 | 1150 | 1130     | 1140 | 1150 |
| 85         | 1020    | 1060 | 1090 | 1080     | 1110 | 1130 | 1110     | 1130 | 1160 | 1140     | 1150 | 1150 |
| 86         | 1030    | 1070 | 1100 | 1090     | 1120 | 1140 | 1120     | 1140 | 1160 | 1140     | 1150 | 1160 |
| 87         | 1040    | 1080 | 1110 | 1100     | 1130 | 1140 | 1130     | 1150 | 1170 | 1150     | 1160 | 1170 |
| 88         | 1060    | 1090 | 1120 | 1110     | 1130 | 1150 | 1140     | 1160 | 1180 | 1160     | 1170 | 1170 |
| 89         | 1070    | 1100 | 1130 | 1120     | 1140 | 1160 | 1150     | 1160 | 1180 | 1170     | 1180 | 1180 |
| 90         | 1080    | 1110 | 1140 | 1130     | 1150 | 1170 | 1160     | 1170 | 1190 | 1180     | 1180 | 1190 |
| 91         | 1100    | 1130 | 1150 | 1140     | 1160 | 1180 | 1170     | 1180 | 1200 | 1180     | 1190 | 1200 |
| 92         | 1110    | 1140 | 1160 | 1150     | 1170 | 1190 | 1180     | 1190 | 1200 | 1190     | 1200 | 1200 |
| 93         | 1120    | 1150 | 1170 | 1160     | 1180 | 1200 | 1190     | 1200 | 1210 | 1200     | 1210 | 1210 |
| 94         | 1140    | 1163 | 1190 | 1170     | 1190 | 1200 | 1190     | 1202 | 1210 | 1200     | 1210 | 1220 |
| 95         | 1160    | 1180 | 1200 | 1190     | 1200 | 1210 | 1200     | 1210 | 1220 | 1210     | 1220 | 1220 |
| 96         | 1170    | 1190 | 1210 | 1200     | 1210 | 1220 | 1210     | 1220 | 1230 | 1220     | 1230 | 1230 |
| 97         | 1190    | 1210 | 1220 | 1210     | 1220 | 1230 | 1220     | 1230 | 1240 | 1230     | 1240 | 1240 |
| 98         | 1210    | 1220 | 1230 | 1220     | 1240 | 1240 | 1240     | 1240 | 1250 | 1240     | 1270 | 1260 |
| 99         | 1240    | 1250 | 1270 | 1240     | 1270 | 1290 | 1260     | 1280 | 1290 | 1280     | 1300 | 1300 |