STATISTICAL SUMMARY

Spring 2017 ADMINISTRATION of OHIO’s STATE TESTs (OST) in English language arts, Mathematics, Science and Social Studies

The State Board of Education of Ohio adopted Ohio’s Learning Standards in English language arts and mathematics in 2010 as part of a multi-state effort. Also that year, the State Board adopted new, more rigorous, standards in science and social studies. Ohio’s Learning Standards for English language arts, mathematics, science and social studies describe the educational targets for students in each subject area. The Ohio’s State Tests are designed to measure student progress toward achievement of Ohio’s Learning Standards. In spring 2016, the Ohio Department of Education administered, for the first time, Ohio’s State Tests in English language arts (ELA) and mathematics to assess proficiency with respect to Ohio’s Learning Standards. Specifically, the state tests assess student achievement in meeting: the English language arts and mathematics standards in grades 3 through 8 and high school coursework; and social studies standards in grades 4 and 6, and high school coursework in U.S. history and U.S. government. In science, students take state tests in grades 5 and 8, and following instruction in physical science and biology in high school.

Ohio’s State Tests are a series of fixed form assessments that were intended for online administration. However, because some schools were not ready to transition to the online testing environment, the assessments were offered in both online and paper formats.

Statistics are based on the results of all public school and community students participating in the spring 2017 adminstration. The statistics include repeat as well as first-time examinees; most of the repeaters are either third graders who had taken the ELA test in the fall or high school students attempting to earn additional points to meet the state graduation requirement.

**Table 1 – Operational Summary Statistics**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Operational Summary Statistics** | | | | | | | | | | | |
| **Test** | **N-count** | **Max Raw Score** | **Raw Score Mean** | **Raw Score Standard Deviation** | **Raw Score SEM** | **Max Scale Score** | **Min Scale Score** | **Scale Score Mean** | **Scale Score Standard Deviation** | **Scale Score SEM** | **Reliability** |
| **English Language Arts** | | | | | | | | | | | |
| Grade 3 ELA | 128552 | 41 | 19.74 | 8.07 | 2.80 | 863 | 545 | 715 | 50 | 17.57 | 0.88 |
| Grade 4 ELA | 127322 | 41 | 20.60 | 7.81 | 2.82 | 846 | 549 | 713 | 44 | 15.93 | 0.87 |
| Grade 5 ELA | 126308 | 41 | 22.75 | 7.71 | 2.67 | 848 | 552 | 719 | 50 | 17.40 | 0.88 |
| Grade 6 ELA | 123618 | 62 | 31.58 | 10.91 | 3.45 | 851 | 555 | 707 | 39 | 12.71 | 0.90 |
| Grade 7 ELA | 126974 | 62 | 30.28 | 11.35 | 3.41 | 833 | 568 | 707 | 39 | 11.73 | 0.91 |
| Grade 8 ELA | 125992 | 62 | 30.72 | 11.60 | 3.48 | 805 | 586 | 698 | 32 | 9.71 | 0.91 |
| High School ELA 1 | 149628 | 63 | 30.12 | 11.48 | 3.63 | 800 | 606 | 708 | 27 | 8.50 | 0.90 |
| High School ELA 2 | 138521 | 62 | 29.79 | 12.03 | 3.61 | 808 | 597 | 705 | 30 | 8.99 | 0.91 |
| **Science** | | | | | | | | | | | |
| Grade 5 Science | 126311 | 55 | 30.35 | 10.95 | 3.46 | 845 | 559 | 719 | 42 | 13.20 | 0.90 |
| Grade 8 Science | 127528 | 54 | 24.19 | 10.78 | 3.41 | 868 | 575 | 717 | 44 | 13.62 | 0.90 |
| [Biology](file:///C:\Users\sgrom\AppData\Local\Microsoft\Windows\Temporary%20Internet%20Files\Content.MSO\59575DDD.xlsx#RANGE!_ftn1) | 134185 | 56 | 24.42 | 11.83 | 3.35 | 823 | 617 | 713 | 33 | 9.60 | 0.92 |
| [Physical Science](file:///C:\Users\sgrom\AppData\Local\Microsoft\Windows\Temporary%20Internet%20Files\Content.MSO\59575DDD.xlsx#RANGE!_ftn2) | 1746 | 56 | 10.57 | 5.36 | 3.08 | 815 | 634 | 682 | 18 | 10.33 | 0.67 |

Note: SEM is standard error of measurement. Min and Max Scale Score and Max Raw Score show the minimum/maximum possible scores the students could achieve. The number of students taking Physical Science is low because only members of the Class of 2018 can use this test to meet graduation requirements.

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Operational Summary Statistics** | | | | | | | | | | | |
| **Test** | **N-count** | **Max Raw Score** | **Raw Score Mean** | **Raw Score Standard Deviation** | **Raw Score SEM** | **Max Scale Score** | **Min Scale Score** | **Scale Score Mean** | **Scale Score Standard Deviation** | **Scale Score SEM** | **Reliability** |
| **Mathematics** | | | | | | | | | | | |
| Grade 3 Math | 129447 | 49 | 28.47 | 10.57 | 2.99 | 818 | 587 | 723 | 43 | 12.34 | 0.92 |
| Grade 4 Math | 126885 | 49 | 26.73 | 11.81 | 3.12 | 835 | 605 | 728 | 49 | 12.79 | 0.93 |
| Grade 5 Math | 125433 | 49 | 22.47 | 11.61 | 3.07 | 804 | 624 | 711 | 37 | 9.75 | 0.93 |
| Grade 6 Math | 121929 | 52 | 27.93 | 11.45 | 3.03 | 790 | 616 | 710 | 35 | 9.17 | 0.93 |
| Grade 7 Math | 122788 | 52 | 25.80 | 11.94 | 3.16 | 806 | 605 | 707 | 41 | 10.52 | 0.93 |
| Grade 8 Math | 97782 | 53 | 25.79 | 10.42 | 2.95 | 774 | 633 | 702 | 27 | 7.49 | 0.92 |
| Algebra | 141715 | 54 | 21.07 | 10.67 | 3.20 | 814 | 618 | 702 | 32 | 9.64 | 0.91 |
| Geometry | 120903 | 54 | 17.77 | 10.46 | 3.31 | 810 | 604 | 698 | 35 | 11.03 | 0.90 |
| Integrated Math 1 | 11937 | 55 | 20.16 | 11.51 | 3.45 | 814 | 618 | 694 | 34 | 9.85 | 0.91 |
| Integrated Math 2 | 10272 | 56 | 17.65 | 10.29 | 3.25 | 813 | 594 | 688 | 37 | 11.72 | 0.90 |
| **Social Studies** | | | | | | | | | | | |
| Grade 4 Social Studies | 127345 | 63 | 35.59 | 11.84 | 3.74 | 800 | 621 | 718 | 25 | 7.71 | 0.90 |
| Grade 6 Social Studies | 123585 | 63 | 38.07 | 13.15 | 3.95 | 829 | 541 | 713 | 44 | 12.84 | 0.91 |
| American Government | 92621 | 63 | 32.13 | 12.26 | 3.47 | 774 | 642 | 712 | 20 | 5.60 | 0.92 |
| American History | 129368 | 63 | 32.26 | 12.87 | 3.64 | 800 | 619 | 716 | 26 | 7.70 | 0.92 |

Note: SEM is standard error of measurement. Min and Max Scale Score and Max Raw Score show the minimum/maximum possible scores the students could achieve. The number of students taking Physical Science is low because only members of the Class of 2018 can use this test to meet graduation requirements.

Table 2 – Scale Score Cut Points for the Basic, Proficient, Accelerated, and Advanced Performance Levels

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Performance Standard Cut Scores** | | | | |
| **Test** | **Basic** | **Proficient** | **Accelerated** | **Advanced** |
| **English Language Arts** | | | | |
| Grade 3 English Language Arts | 672 | 700 | 725 | 752 |
| Grade 4 English Language Arts | 674 | 700 | 725 | 753 |
| Grade 5 English Language Arts | 669 | 700 | 725 | 755 |
| Grade 6 English Language Arts | 668 | 700 | 725 | 751 |
| Grade 7 English Language Arts | 670 | 700 | 725 | 749 |
| Grade 8 English Language Arts | 682 | 700 | 725 | 744 |
| High School English Language Arts 1 | 683 | 700 | 725 | 739 |
| High School English Language Arts 2 | 679 | 700 | 725 | 742 |
| **Mathematics** | | | | |
| Grade 3 Mathematics | 683 | 700 | 725 | 753 |
| Grade 4 Mathematics | 686 | 700 | 725 | 759 |
| Grade 5 Mathematics | 687 | 700 | 725 | 749 |
| Grade 6 Mathematics | 682 | 700 | 725 | 744 |
| Grade 7 Mathematics | 684 | 700 | 725 | 755 |
| Grade 8 Mathematics | 690 | 700 | 725 | 744 |
| Algebra | 682 | 700 | 725 | 754 |
| Geometry | 678 | 700 | 725 | 756 |
| Integrated Mathematics 1 | 682 | 700 | 725 | 754 |
| Integrated Mathematics 2 | 677 | 700 | 725 | 758 |
| **Science** | | | | |
| Grade 5 Science | 664 | 700 | 725 | 753 |
| Grade 8 Science | 674 | 700 | 725 | 766 |
| Physical Science | 684 | 700 | 725 | 749 |
| Biology | 685 | 700 | 725 | 735 |
| **Social Studies** | | | | |
| Grade 4 Social Studies | 687 | 700 | 725 | 751 |
| Grade 6 Social Studies | 676 | 700 | 725 | 755 |
| American History | 684 | 700 | 725 | 738 |
| American Government | 687 | 700 | 725 | 739 |

Table 3 – Percentage of Students at Each Performance Level

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Percentage of Students at Each Performance Level** | | | | | | | |
| **Test** | **N-Count** | **Limited** | **Basic** | **Proficient** | **Accelerated** | **Advanced** | **At or Above Proficient** |
| **English Language Arts** | | | | | | | |
| Grade 3 ELA | 128552 | 19 | 18 | 19 | 19 | 25 | 63 |
| Grade 4 ELA | 127322 | 17 | 20 | 21 | 23 | 18 | 63 |
| Grade 5 ELA | 126308 | 16 | 17 | 20 | 22 | 26 | 68 |
| Grade 6 ELA | 123618 | 15 | 25 | 25 | 22 | 13 | 60 |
| Grade 7 ELA | 126974 | 16 | 25 | 25 | 20 | 14 | 59 |
| Grade 8 ELA | 125992 | 30 | 20 | 28 | 14 | 8 | 50 |
| High School ELA 1 | 149628 | 18 | 19 | 35 | 15 | 13 | 63 |
| High School ELA 2 | 138521 | 18 | 22 | 32 | 16 | 11 | 59 |
| **Mathematics** | | | | | | | |
| Grade 3 Math | 129447 | 18 | 11 | 21 | 24 | 26 | 71 |
| Grade 4 Math | 126885 | 19 | 9 | 20 | 25 | 28 | 73 |
| Grade 5 Math | 125433 | 28 | 11 | 26 | 18 | 17 | 62 |
| Grade 6 Math | 121929 | 21 | 18 | 26 | 16 | 19 | 61 |
| Grade 7 Math | 122788 | 28 | 16 | 21 | 22 | 13 | 56 |
| Grade 8 Math | 97782 | 33 | 12 | 36 | 13 | 7 | 55 |
| Algebra | 141715 | 27 | 24 | 26 | 17 | 6 | 50 |
| Geometry | 120903 | 30 | 24 | 24 | 16 | 7 | 46 |
| Integrated Math 1 | 11937 | 42 | 16 | 22 | 15 | 5 | 42 |
| Integrated Math 2 | 10272 | 39 | 26 | 17 | 13 | 5 | 35 |
| **Science** | | | | | | | |
| Grade 4 Social Studies | 127345 | 10 | 13 | 36 | 31 | 10 | 78 |
| Grade 6 Social Studies | 123585 | 20 | 16 | 21 | 25 | 18 | 64 |
| American Government | 92621 | 10 | 18 | 45 | 19 | 9 | 73 |
| American History | 129368 | 12 | 17 | 33 | 17 | 21 | 71 |
| **Social Studies** | | | | | | | |
| Grade 5 Science | 126311 | 9 | 22 | 23 | 22 | 23 | 69 |
| Grade 8 Science | 127528 | 17 | 17 | 21 | 33 | 13 | 66 |
| Biology | 134185 | 19 | 17 | 27 | 10 | 27 | 64 |
| Physical Science | 1746 | 51 | 34 | 14 | 1 | 0 | 16 |

Subscale data

Table 4 – Raw Score Ranges for Below Proficient, At/Near Proficient and Above Proficient

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test** | **Strand** | **Below Proficient** | **At/Near Proficient** | **Above Proficient** |
| **English Language Arts** | | | | |
| Grade 3 ELA | RI | 0-4 | 5-8 | 9-15 |
| RL | 0-6 | 7-10 | 11-16 |
| W | 0-1 | 2-3 | 4-10 |
| Grade 4 ELA | RI | 0-5 | 6-9 | 10-15 |
| RL | 0-4 | 5-8 | 9-16 |
| W | 0-1 | 2-4 | 5-10 |
| Grade 5 ELA | RI | 0-6 | 7-9 | 10-15 |
| RL | 0-5 | 6-9 | 10-16 |
| W | 0-2 | 3-5 | 6-10 |
| Grade 6 ELA | RI | 0-6 | 7-11 | 12-21 |
| RL | 0-9 | 10-13 | 14-20 |
| W | 0-7 | 8-11 | 12-20 |
| Grade 7 ELA | RI | 0-8 | 9-12 | 13-22 |
| RL | 0-7 | 8-11 | 12-20 |
| W | 0-7 | 8-10 | 11-20 |
| Grade 8 ELA | RI | 0-9 | 10-13 | 14-22 |
| RL | 0-7 | 8-11 | 12-20 |
| W | 0-7 | 8-11 | 12-20 |
| High School 1 ELA | RI | 0-7 | 8-11 | 12-24 |
| RL | 0-6 | 7-11 | 12-18 |
| W | 0-6 | 7-9 | 10-20 |
| High School 2 ELA | RI | 0-8 | 9-13 | 14-24 |
| RL | 0-6 | 7-10 | 11-18 |
| W | 0-6 | 7-9 | 10-20 |

Note: RL = Reading Literary Text; RI = Reading Informational Text; W = Writing; the ranges are based on one specific ELA form (online form 1 combining segment OPFT A).

Table 4 – Continued

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Raw Score Ranges for Below Proficient, At/Near Proficient and Above Proficient** | | | | |
| **Test** | **Strand** | **Below Proficient** | **At/Near Proficient** | **Above Proficient** |
| **Mathematics** | | | | |
| Grade 3 Mathematics | MUD | 0-5 | 6-9 | 10-14 |
| NO | 0-5 | 6-9 | 10-13 |
| G | 0-3 | 4-6 | 7-11 |
| FRA | 0-1 | 2-4 | 5-11 |
| MR | 0-8 | 9-13 | 14-30 |
| Grade 4 Mathematics | MUD | 0-4 | 5-8 | 9-18 |
| FRA | 0-6 | 7-10 | 11-20 |
| G | 0-2 | 3-5 | 6-11 |
| MR | 0-7 | 8-12 | 13-27 |
| Grade 5 Mathematics | FRA | 0-3 | 4-7 | 8-18 |
| D | 0-7 | 8-11 | 12-18 |
| G | 0-2 | 3-4 | 5-13 |
| MR | 0-4 | 5-9 | 10-28 |
| Grade 6 Mathematics | RP | 0-4 | 5-7 | 8-13 |
| EE | 0-4 | 5-8 | 9-17 |
| GS | 0-4 | 5-7 | 8-11 |
| NS | 0-5 | 6-8 | 9-11 |
| MR | 0-8 | 9-12 | 13-24 |
| Grade 7 Mathematics | RP | 0-4 | 5-7 | 8-14 |
| NS | 0-5 | 6-8 | 9-15 |
| G | 0-3 | 4-6 | 7-11 |
| SP | 0-3 | 4-7 | 8-12 |
| MR | 0-5 | 6-8 | 9-18 |
| Grade 8 Mathematics | EE | 0-5 | 6-8 | 9-14 |
| F | 0-6 | 7-9 | 10-13 |
| G | 0-6 | 7-10 | 11-15 |
| NS | 0-1 | 2-3 | 4-11 |
| MR | 0-9 | 10-13 | 14-31 |
| Algebra | F | 0-5 | 6-10 | 11-24 |
| NQEE | 0-5 | 6-9 | 10-19 |
| S | 0-2 | 3-5 | 6-11 |
| MR | 0-7 | 8-12 | 13-29 |
| Geometry | C | 0-1 | 2-3 | 4-10 |
| CP | 0-4 | 5-7 | 8-19 |
| P | 0-2 | 3-5 | 6-10 |
| ST | 0-3 | 4-7 | 8-15 |
| MR | 0-7 | 8-11 | 12-32 |
| Integrated Mathematics 1 | G | 0-2 | 3-4 | 5-11 |
| S | 0-3 | 4-6 | 7-11 |
| A | 0-4 | 5-7 | 8-12 |
| NQF | 0-5 | 6-10 | 11-21 |
| MR | 0-8 | 9-13 | 14-31 |
| Integrated Mathematics 2 | F | 0-2 | 3-5 | 6-11 |
| G | 0-5 | 6-8 | 9-20 |
| NQEE | 0-3 | 4-6 | 7-15 |
| P | 0-2 | 3-5 | 6-10 |
| MR | 0-6 | 7-10 | 11-25 |

Note: MR = Model Reasoning; MUD = Multiplication & Division; NO = Numbers & Operations; G = Geometry; FRA = Fractions; D = Decimals; EE = Expressions & Equations; NS = The Number System; GS = Geometry and Statistics; RP = Ratios and Proportions; SP = Statistics and Probability; F = Functions; NQEE = Number, Quantities, Equations and Expressions; S = Statistics; CP = Congruence & Proof; ST = Similarity & Trigonometry; C = Circles; P = Probability; A = Algebra; NQF = Number & Quantity/Functions

**Table 4 – Continued**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Raw Score Ranges for Below Proficient, At/Near Proficient and Above Proficient** | | | | |
| **Test** | **Strand** | **Below Proficient** | **At/Near Proficient** | **Above Proficient** |
| **Science** | | | | |
| Grade 5 Science | ES | 0-6 | 7-10 | 11-17 |
| LS | 0-6 | 7-10 | 11-19 |
| PS | 0-6 | 7-10 | 11-19 |
| Grade 8 Science | ES | 0-5 | 6-9 | 10-21 |
| LS | 0-3 | 4-7 | 8-17 |
| PS | 0-4 | 5-8 | 9-16 |
| Biology | BS-A | 0-2 | 3-5 | 6-14 |
| BS-B | 0-2 | 3-5 | 6-15 |
| BS-C | 0-4 | 5-8 | 9-14 |
| BS-D | 0-2 | 3-6 | 7-13 |
| Physical Science | PS-A | 0-2 | 3-6 | 7-17 |
| PS-B | 0-1 | 2-5 | 6-15 |
| PS-C | 0-3 | 4-6 | 7-15 |
| PS-D | 0-2 | 3-5 | 6-9 |

Note: ES = Earth Science; LS = Life Science; PS = Physical Science; BS-A = Heredity; BS-B = Evolution; BS-C = Diversity and Interdependence of Life; BS-D = Cells; PS-A = Study of Matter; PS-B = Energy & Waves; PS-C = Forces & Motions; PS-D = The Universe

Table 4 – Continued

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Raw Score Ranges for Below Proficient, At/Near Proficient and Above Proficient** | | | | |
| **Test** | **Strand** | **Below Proficient** | **At/Near Proficient** | **Above Proficient** |
| **Social Studies** | | | | |
| Grade 4 Social Studies | HI | 0-5 | 6-9 | 10-21 |
| GO | 0-5 | 6-10 | 11-21 |
| EG | 0-8 | 9-12 | 13-21 |
| Grade 6 Social Studies | HG | 0-8 | 9-12 | 13-18 |
| EC | 0-8 | 9-13 | 14-21 |
| GE | 0-10 | 11-15 | 16-24 |
| American Government | AGA | 0-6 | 7-10 | 11-23 |
| AGB | 0-6 | 7-11 | 12-25 |
| AGC | 0-4 | 5-7 | 8-15 |
| American History | AHA | 0-3 | 4-7 | 8-17 |
| AHB | 0-7 | 8-12 | 13-25 |
| AHC | 0-6 | 7-10 | 11-21 |

Note: EG = Economics and Geography; GO=Government; HI=History; EC=Economics; GE=Geography; HG=History and Government; AGA = Historic Documents; AGB = Principles & Structures; AGC = Ohio/Policy/Economy; AHA = Skills & Documents; AHB = 1877-1945; AHC = 1945-Present

Subscale Data

Table 5 - Percentage of Students Below Proficient, At/Near Proficient and Above Proficient

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test** | **Strand** | **Below Proficient** | **At Proficient** | **Above Proficient** |
| **English Language Arts** | | | | |
| Grade 3 ELA | RI | 25 | 32 | 43 |
| RL | 21 | 40 | 38 |
| W | 24 | 43 | 33 |
| Grade 4 ELA | RI | 21 | 39 | 40 |
| RL | 21 | 36 | 43 |
| W | 26 | 35 | 39 |
| Grade 5 ELA | RI | 20 | 33 | 47 |
| RL | 21 | 28 | 51 |
| W | 26 | 31 | 44 |
| Grade 6 ELA | RI | 27 | 35 | 39 |
| RL | 26 | 34 | 40 |
| W | 29 | 31 | 40 |
| Grade 7 ELA | RI | 26 | 33 | 41 |
| RL | 24 | 37 | 39 |
| W | 31 | 28 | 41 |
| Grade 8 ELA | RI | 37 | 31 | 32 |
| RL | 36 | 33 | 31 |
| W | 35 | 31 | 34 |
| High School ELA 1 | RI | 20 | 34 | 45 |
| RL | 22 | 34 | 44 |
| W | 28 | 28 | 44 |
| High School ELA 2 | RI | 26 | 33 | 41 |
| RL | 24 | 37 | 40 |
| W | 32 | 26 | 42 |

Note: RL = Reading Literary Text; RI = Reading Informational Text; W = Writing

Table 5 – Continued

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test** | **Strand** | **Below Proficient** | **At Proficient** | **Above Proficient** |
| **Mathematics** | | | | |
| Grade 3 Mathematics | FRA | 9 | 47 | 44 |
| G | 13 | 29 | 57 |
| MUD | 25 | 28 | 47 |
| MR | 16 | 23 | 61 |
| NO | 17 | 35 | 48 |
| Grade 4 Mathematics | FRA | 21 | 22 | 57 |
| G | 15 | 25 | 60 |
| MUD | 18 | 25 | 57 |
| MR | 19 | 21 | 60 |
| Grade 5 Mathematics | D | 30 | 26 | 45 |
| FRA | 26 | 27 | 48 |
| G | 32 | 24 | 44 |
| MR | 28 | 27 | 45 |
| Grade 6 Mathematics | EE | 24 | 29 | 47 |
| GS | 25 | 44 | 31 |
| MR | 30 | 27 | 43 |
| NS | 28 | 39 | 33 |
| RP | 29 | 30 | 41 |
| Grade 7 Mathematics | G | 31 | 31 | 39 |
| MR | 29 | 28 | 43 |
| NS | 33 | 27 | 40 |
| RP | 25 | 29 | 46 |
| SP | 28 | 37 | 35 |
| Grade 8 Mathematics | EE | 35 | 31 | 34 |
| F | 33 | 40 | 26 |
| G | 32 | 35 | 33 |
| MR | 36 | 24 | 40 |
| NS | 30 | 36 | 35 |
| Algebra | F | 34 | 34 | 33 |
| MR | 38 | 26 | 36 |
| NQEE | 36 | 29 | 35 |
| S | 19 | 48 | 34 |
| Geometry | CP | 42 | 25 | 33 |
| C | 38 | 39 | 23 |
| MR | 43 | 23 | 34 |
| P | 35 | 40 | 25 |
| ST | 35 | 40 | 26 |
| S | 0 | 0 | 0 |
| Integrated Math 1 | A | 49 | 24 | 27 |
| G | 49 | 28 | 23 |
| MR | 49 | 21 | 30 |
| NQF | 43 | 30 | 27 |
| S | 39 | 39 | 22 |
| Integrated Math 2 | F | 29 | 49 | 22 |
| G | 57 | 22 | 21 |
| MR | 50 | 28 | 22 |
| NQEE | 45 | 30 | 25 |
| P | 44 | 35 | 22 |

Note: MR = Model Reasoning; MUD = Multiplication & Division; NO = Numbers & Operations; G = Geometry; FRA = Fractions; D = Decimals; EE = Expressions & Equations; NS = The Number System; GS = Geometry and Statistics; RP = Ratios and Proportions; SP = Statistics and Probability; F = Functions; NQEE = Number, Quantities, Equations and Expressions; S = Statistics; CP = Congruence & Proof; ST = Similarity & Trigonometry; C = Circles; P = Probability; A = Algebra; NQF = Number & Quantity/Functions

Table 5 – Continued

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test** | **Strand** | **Below Proficient** | **At Proficient** | **Above Proficient** |
| **Science** | | | | |
| Grade 5 Science | ES | 21 | 38 | 42 |
| LS | 23 | 27 | 51 |
| PS | 19 | 31 | 50 |
| Grade 8 Science | ES | 26 | 34 | 40 |
| LS | 20 | 31 | 49 |
| PS | 19 | 35 | 46 |
| Biology | BS-A | 23 | 30 | 46 |
| BS-B | 20 | 38 | 42 |
| BS-C | 22 | 34 | 43 |
| BS-D | 15 | 44 | 41 |
| Physical Science | PS-A | 67 | 30 | 3 |
| PS-B | 33 | 61 | 6 |
| PS-C | 69 | 26 | 5 |
| PS-D | 38 | 55 | 8 |

Note: ES = Earth Science; LS = Life Science; PS = Physical Science; BS-A = Heredity; BS-B = Evolution; BS-C = Diversity and Interdependence of Life; BS-D = Cells; PS-A = Study of Matter; PS-B = Energy & Waves; PS-C = Forces & Motions; PS-D = The Universe

**Table 5 – Continued**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Test** | **Strand** | **Below Proficient** | **At Proficient** | **Above Proficient** |
| **Social Studies** | | | | |
| Grade 4 Social Studies | EG | 17 | 22 | 60 |
| GO | 10 | 28 | 62 |
| HI | 11 | 30 | 59 |
| Grade 6 Social Studies | EC | 27 | 28 | 45 |
| GE | 23 | 31 | 46 |
| HG | 25 | 29 | 46 |
| American Government | AGA | 16 | 25 | 60 |
| AGB | 17 | 34 | 49 |
| AGC | 14 | 25 | 61 |
| American History | AHA | 14 | 33 | 52 |
| AHB | 20 | 27 | 53 |
| AHC | 17 | 27 | 56 |

Note: EG = Economics and Geography; GO=Government; HI=History; EC=Economics; GE=Geography; HG=History and Government; AGA = Historic Documents; AGB = Principles & Structures; AGC = Ohio/Policy/Economy; AHA = Skills & Documents; AHB = 1877-1945; AHC = 1945-Present

Raw score to scale score conversion tables and frequency counts are shown in Tables A1 through A27 **for online test forms**.

Table A1. Scale Score Frequency Distributions – Grade 3 Reading (based on a portion of the Grade 3 English Language Arts test)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Reading Promotion Score** | **Performance Level** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| 16 | Does Not Meet Promotion Standard | 81 | 0.06 | 81 | 0.06 |
| 17 | Does Not Meet Promotion Standard | 49 | 0.04 | 130 | 0.10 |
| 19 | Does Not Meet Promotion Standard | 5 | 0.00 | 135 | 0.11 |
| 20 | Does Not Meet Promotion Standard | 16 | 0.01 | 151 | 0.12 |
| 21 | Does Not Meet Promotion Standard | 46 | 0.04 | 197 | 0.16 |
| 22 | Does Not Meet Promotion Standard | 63 | 0.05 | 260 | 0.21 |
| 23 | Does Not Meet Promotion Standard | 97 | 0.08 | 357 | 0.28 |
| 24 | Does Not Meet Promotion Standard | 8 | 0.01 | 365 | 0.29 |
| 25 | Does Not Meet Promotion Standard | 161 | 0.13 | 526 | 0.42 |
| 26 | Does Not Meet Promotion Standard | 105 | 0.08 | 631 | 0.50 |
| 27 | Does Not Meet Promotion Standard | 199 | 0.16 | 830 | 0.66 |
| 28 | Does Not Meet Promotion Standard | 165 | 0.13 | 995 | 0.79 |
| 29 | Does Not Meet Promotion Standard | 125 | 0.10 | 1120 | 0.89 |
| 30 | Does Not Meet Promotion Standard | 550 | 0.44 | 1670 | 1.33 |
| 31 | Does Not Meet Promotion Standard | 634 | 0.51 | 2304 | 1.84 |
| 32 | Does Not Meet Promotion Standard | 183 | 0.15 | 2487 | 1.98 |
| 33 | Does Not Meet Promotion Standard | 949 | 0.76 | 3436 | 2.74 |
| 34 | Does Not Meet Promotion Standard | 1025 | 0.82 | 4461 | 3.55 |
| 35 | Does Not Meet Promotion Standard | 521 | 0.42 | 4982 | 3.97 |
| 36 | Does Not Meet Promotion Standard | 1902 | 1.52 | 6884 | 5.48 |
| 37 | Does Not Meet Promotion Standard | 1035 | 0.82 | 7919 | 6.31 |
| 38 | Does Not Meet Promotion Standard | 1916 | 1.53 | 9835 | 7.84 |
| 39 | Does Not Meet Promotion Standard | 1993 | 1.59 | 11828 | 9.42 |
| 40 | Does Not Meet Promotion Standard | 1759 | 1.40 | 13587 | 10.82 |
| 41 | Does Not Meet Promotion Standard | 3211 | 2.56 | 16798 | 13.38 |
| 42 | Does Not Meet Promotion Standard | 2657 | 2.12 | 19455 | 15.50 |
| 43 | Does Not Meet Promotion Standard | 3203 | 2.55 | 22658 | 18.05 |
| 44 | Meets Promotion Standard | 3929 | 3.13 | 26587 | 21.18 |
| 45 | Meets Promotion Standard | 2419 | 1.93 | 29006 | 23.11 |
| 46 | Meets Promotion Standard | 4615 | 3.68 | 33621 | 26.78 |
| 47 | Meets Promotion Standard | 3521 | 2.80 | 37142 | 29.59 |
| 48 | Meets Promotion Standard | 3803 | 3.03 | 40945 | 32.62 |
| 49 | Meets Promotion Standard | 4679 | 3.73 | 45624 | 36.35 |
| 50 | Meets Promotion Standard | 4324 | 3.44 | 49948 | 39.79 |
| 51 | Meets Promotion Standard | 5009 | 3.99 | 54957 | 43.78 |
| 52 | Meets Promotion Standard | 4128 | 3.29 | 59085 | 47.07 |
| 53 | Meets Promotion Standard | 4978 | 3.97 | 64063 | 51.04 |
| 54 | Meets Promotion Standard | 4154 | 3.31 | 68217 | 54.34 |
| 55 | Meets Promotion Standard | 3858 | 3.07 | 72075 | 57.42 |
| 56 | Meets Promotion Standard | 5155 | 4.11 | 77230 | 61.53 |
| 57 | Meets Promotion Standard | 4246 | 3.38 | 81476 | 64.91 |
| 58 | Meets Promotion Standard | 4702 | 3.75 | 86178 | 68.65 |
| 59 | Meets Promotion Standard | 3532 | 2.81 | 89710 | 71.47 |
| 60 | Meets Promotion Standard | 4400 | 3.51 | 94110 | 74.97 |
| 61 | Meets Promotion Standard | 3032 | 2.42 | 97142 | 77.39 |
| 62 | Meets Promotion Standard | 3679 | 2.93 | 100821 | 80.32 |
| 63 | Meets Promotion Standard | 2901 | 2.31 | 103722 | 82.63 |
| 64 | Meets Promotion Standard | 3249 | 2.59 | 106971 | 85.22 |
| 65 | Meets Promotion Standard | 2066 | 1.65 | 109037 | 86.86 |
| 66 | Meets Promotion Standard | 2675 | 2.13 | 111712 | 89.00 |
| 67 | Meets Promotion Standard | 1851 | 1.47 | 113563 | 90.47 |
| 68 | Meets Promotion Standard | 2351 | 1.87 | 115914 | 92.34 |
| 69 | Meets Promotion Standard | 1584 | 1.26 | 117498 | 93.60 |
| 70 | Meets Promotion Standard | 463 | 0.37 | 117961 | 93.97 |
| 71 | Meets Promotion Standard | 1841 | 1.47 | 119802 | 95.44 |
| 72 | Meets Promotion Standard | 1093 | 0.87 | 120895 | 96.31 |
| 73 | Meets Promotion Standard | 134 | 0.11 | 121029 | 96.42 |
| 74 | Meets Promotion Standard | 1162 | 0.93 | 122191 | 97.34 |
| 75 | Meets Promotion Standard | 1035 | 0.82 | 123226 | 98.17 |
| 76 | Meets Promotion Standard | 48 | 0.04 | 123274 | 98.21 |
| 77 | Meets Promotion Standard | 335 | 0.27 | 123609 | 98.47 |
| 78 | Meets Promotion Standard | 379 | 0.30 | 123988 | 98.77 |
| 79 | Meets Promotion Standard | 249 | 0.20 | 124237 | 98.97 |
| 80 | Meets Promotion Standard | 501 | 0.40 | 124738 | 99.37 |
| 82 | Meets Promotion Standard | 149 | 0.12 | 124887 | 99.49 |
| 86 | Meets Promotion Standard | 639 | 0.51 | 125526 | 100.00 |

Table A2. Scale Score Frequency Distributions – Grade 3 ELA

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Scaled Score** | **Performance Level** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| 545 | Limited | 96 | 0.08 | 96 | 0.08 |
| 549 | Limited | 4 | 0.00 | 100 | 0.08 |
| 551 | Limited | 5 | 0.00 | 105 | 0.08 |
| 558 | Limited | 16 | 0.01 | 121 | 0.10 |
| 559 | Limited | 19 | 0.02 | 140 | 0.11 |
| 560 | Limited | 8 | 0.01 | 148 | 0.12 |
| 561 | Limited | 5 | 0.00 | 153 | 0.12 |
| 562 | Limited | 8 | 0.01 | 161 | 0.13 |
| 563 | Limited | 4 | 0.00 | 165 | 0.13 |
| 564 | Limited | 23 | 0.02 | 188 | 0.15 |
| 565 | Limited | 19 | 0.02 | 207 | 0.16 |
| 566 | Limited | 9 | 0.01 | 216 | 0.17 |
| 567 | Limited | 39 | 0.03 | 255 | 0.20 |
| 571 | Limited | 7 | 0.01 | 262 | 0.21 |
| 574 | Limited | 46 | 0.04 | 308 | 0.25 |
| 575 | Limited | 56 | 0.04 | 364 | 0.29 |
| 579 | Limited | 8 | 0.01 | 372 | 0.30 |
| 580 | Limited | 25 | 0.02 | 397 | 0.32 |
| 581 | Limited | 26 | 0.02 | 423 | 0.34 |
| 582 | Limited | 19 | 0.02 | 442 | 0.35 |
| 583 | Limited | 18 | 0.01 | 460 | 0.37 |
| 584 | Limited | 18 | 0.01 | 478 | 0.38 |
| 586 | Limited | 90 | 0.07 | 568 | 0.45 |
| 587 | Limited | 40 | 0.03 | 608 | 0.48 |
| 588 | Limited | 69 | 0.05 | 677 | 0.54 |
| 589 | Limited | 22 | 0.02 | 699 | 0.56 |
| 590 | Limited | 26 | 0.02 | 725 | 0.58 |
| 595 | Limited | 102 | 0.08 | 827 | 0.66 |
| 596 | Limited | 168 | 0.13 | 995 | 0.79 |
| 597 | Limited | 88 | 0.07 | 1083 | 0.86 |
| 598 | Limited | 44 | 0.04 | 1127 | 0.90 |
| 599 | Limited | 31 | 0.02 | 1158 | 0.92 |
| 600 | Limited | 28 | 0.02 | 1186 | 0.94 |
| 601 | Limited | 157 | 0.13 | 1343 | 1.07 |
| 602 | Limited | 28 | 0.02 | 1371 | 1.09 |
| 603 | Limited | 173 | 0.14 | 1544 | 1.23 |
| 604 | Limited | 67 | 0.05 | 1611 | 1.28 |
| 605 | Limited | 32 | 0.03 | 1643 | 1.31 |
| 609 | Limited | 80 | 0.06 | 1723 | 1.37 |
| 610 | Limited | 197 | 0.16 | 1920 | 1.53 |
| 611 | Limited | 137 | 0.11 | 2057 | 1.64 |
| 612 | Limited | 398 | 0.32 | 2455 | 1.96 |
| 614 | Limited | 255 | 0.20 | 2710 | 2.16 |
| 615 | Limited | 51 | 0.04 | 2761 | 2.20 |
| 616 | Limited | 326 | 0.26 | 3087 | 2.46 |
| 618 | Limited | 37 | 0.03 | 3124 | 2.49 |
| 619 | Limited | 53 | 0.04 | 3177 | 2.53 |
| 620 | Limited | 111 | 0.09 | 3288 | 2.62 |
| 621 | Limited | 199 | 0.16 | 3487 | 2.78 |
| 622 | Limited | 116 | 0.09 | 3603 | 2.87 |
| 623 | Limited | 110 | 0.09 | 3713 | 2.96 |
| 624 | Limited | 595 | 0.47 | 4308 | 3.43 |
| 625 | Limited | 335 | 0.27 | 4643 | 3.70 |
| 626 | Limited | 70 | 0.06 | 4713 | 3.75 |
| 627 | Limited | 456 | 0.36 | 5169 | 4.12 |
| 629 | Limited | 127 | 0.10 | 5296 | 4.22 |
| 630 | Limited | 171 | 0.14 | 5467 | 4.36 |
| 631 | Limited | 301 | 0.24 | 5768 | 4.60 |
| 632 | Limited | 67 | 0.05 | 5835 | 4.65 |
| 633 | Limited | 88 | 0.07 | 5923 | 4.72 |
| 634 | Limited | 800 | 0.64 | 6723 | 5.36 |
| 635 | Limited | 569 | 0.45 | 7292 | 5.81 |
| 636 | Limited | 348 | 0.28 | 7640 | 6.09 |
| 637 | Limited | 151 | 0.12 | 7791 | 6.21 |
| 638 | Limited | 81 | 0.06 | 7872 | 6.27 |
| 639 | Limited | 310 | 0.25 | 8182 | 6.52 |
| 640 | Limited | 422 | 0.34 | 8604 | 6.85 |
| 642 | Limited | 196 | 0.16 | 8800 | 7.01 |
| 643 | Limited | 515 | 0.41 | 9315 | 7.42 |
| 644 | Limited | 1022 | 0.81 | 10337 | 8.23 |
| 645 | Limited | 401 | 0.32 | 10738 | 8.55 |
| 646 | Limited | 375 | 0.30 | 11113 | 8.85 |
| 647 | Limited | 244 | 0.19 | 11357 | 9.05 |
| 648 | Limited | 419 | 0.33 | 11776 | 9.38 |
| 649 | Limited | 82 | 0.07 | 11858 | 9.45 |
| 650 | Limited | 612 | 0.49 | 12470 | 9.93 |
| 651 | Limited | 195 | 0.16 | 12665 | 10.09 |
| 652 | Limited | 979 | 0.78 | 13644 | 10.87 |
| 653 | Limited | 730 | 0.58 | 14374 | 11.45 |
| 654 | Limited | 433 | 0.34 | 14807 | 11.80 |
| 655 | Limited | 318 | 0.25 | 15125 | 12.05 |
| 656 | Limited | 221 | 0.18 | 15346 | 12.23 |
| 657 | Limited | 232 | 0.18 | 15578 | 12.41 |
| 658 | Limited | 788 | 0.63 | 16366 | 13.04 |
| 659 | Limited | 589 | 0.47 | 16955 | 13.51 |
| 660 | Limited | 1279 | 1.02 | 18234 | 14.53 |
| 661 | Limited | 590 | 0.47 | 18824 | 15.00 |
| 662 | Limited | 239 | 0.19 | 19063 | 15.19 |
| 663 | Limited | 261 | 0.21 | 19324 | 15.39 |
| 664 | Limited | 754 | 0.60 | 20078 | 16.00 |
| 665 | Limited | 324 | 0.26 | 20402 | 16.25 |
| 666 | Limited | 1387 | 1.10 | 21789 | 17.36 |
| 667 | Limited | 591 | 0.47 | 22380 | 17.83 |
| 668 | Limited | 825 | 0.66 | 23205 | 18.49 |
| 669 | Limited | 100 | 0.08 | 23305 | 18.57 |
| 672 | Basic | 1333 | 1.06 | 24638 | 19.63 |
| 673 | Basic | 1274 | 1.01 | 25912 | 20.64 |
| 674 | Basic | 1339 | 1.07 | 27251 | 21.71 |
| 675 | Basic | 277 | 0.22 | 27528 | 21.93 |
| 676 | Basic | 127 | 0.10 | 27655 | 22.03 |
| 677 | Basic | 1046 | 0.83 | 28701 | 22.86 |
| 678 | Basic | 406 | 0.32 | 29107 | 23.19 |
| 679 | Basic | 1549 | 1.23 | 30656 | 24.42 |
| 680 | Basic | 968 | 0.77 | 31624 | 25.19 |
| 681 | Basic | 286 | 0.23 | 31910 | 25.42 |
| 682 | Basic | 271 | 0.22 | 32181 | 25.64 |
| 683 | Basic | 1064 | 0.85 | 33245 | 26.48 |
| 684 | Basic | 287 | 0.23 | 33532 | 26.71 |
| 685 | Basic | 1772 | 1.41 | 35304 | 28.12 |
| 686 | Basic | 903 | 0.72 | 36207 | 28.84 |
| 687 | Basic | 299 | 0.24 | 36506 | 29.08 |
| 688 | Basic | 1007 | 0.80 | 37513 | 29.88 |
| 689 | Basic | 573 | 0.46 | 38086 | 30.34 |
| 690 | Basic | 1230 | 0.98 | 39316 | 31.32 |
| 691 | Basic | 1032 | 0.82 | 40348 | 32.14 |
| 692 | Basic | 784 | 0.62 | 41132 | 32.77 |
| 693 | Basic | 300 | 0.24 | 41432 | 33.01 |
| 694 | Basic | 1255 | 1.00 | 42687 | 34.01 |
| 695 | Basic | 332 | 0.26 | 43019 | 34.27 |
| 696 | Basic | 2099 | 1.67 | 45118 | 35.94 |
| 697 | Basic | 756 | 0.60 | 45874 | 36.55 |
| 700 | Proficient | 1739 | 1.39 | 47613 | 37.93 |
| 701 | Proficient | 2083 | 1.66 | 49696 | 39.59 |
| 702 | Proficient | 272 | 0.22 | 49968 | 39.81 |
| 703 | Proficient | 831 | 0.66 | 50799 | 40.47 |
| 704 | Proficient | 1374 | 1.09 | 52173 | 41.56 |
| 705 | Proficient | 481 | 0.38 | 52654 | 41.95 |
| 706 | Proficient | 1384 | 1.10 | 54038 | 43.05 |
| 707 | Proficient | 1043 | 0.83 | 55081 | 43.88 |
| 708 | Proficient | 761 | 0.61 | 55842 | 44.49 |
| 709 | Proficient | 1151 | 0.92 | 56993 | 45.40 |
| 710 | Proficient | 485 | 0.39 | 57478 | 45.79 |
| 711 | Proficient | 1489 | 1.19 | 58967 | 46.98 |
| 712 | Proficient | 996 | 0.79 | 59963 | 47.77 |
| 713 | Proficient | 756 | 0.60 | 60719 | 48.37 |
| 714 | Proficient | 1238 | 0.99 | 61957 | 49.36 |
| 715 | Proficient | 303 | 0.24 | 62260 | 49.60 |
| 716 | Proficient | 1438 | 1.15 | 63698 | 50.74 |
| 717 | Proficient | 1289 | 1.03 | 64987 | 51.77 |
| 718 | Proficient | 332 | 0.26 | 65319 | 52.04 |
| 719 | Proficient | 1539 | 1.23 | 66858 | 53.26 |
| 720 | Proficient | 584 | 0.47 | 67442 | 53.73 |
| 721 | Proficient | 1361 | 1.08 | 68803 | 54.81 |
| 722 | Proficient | 1092 | 0.87 | 69895 | 55.68 |
| 725 | Accelerated | 2426 | 1.93 | 72321 | 57.61 |
| 726 | Accelerated | 507 | 0.40 | 72828 | 58.02 |
| 727 | Accelerated | 1550 | 1.23 | 74378 | 59.25 |
| 728 | Accelerated | 962 | 0.77 | 75340 | 60.02 |
| 729 | Accelerated | 928 | 0.74 | 76268 | 60.76 |
| 730 | Accelerated | 932 | 0.74 | 77200 | 61.50 |
| 731 | Accelerated | 429 | 0.34 | 77629 | 61.84 |
| 732 | Accelerated | 1356 | 1.08 | 78985 | 62.92 |
| 733 | Accelerated | 1168 | 0.93 | 80153 | 63.85 |
| 734 | Accelerated | 551 | 0.44 | 80704 | 64.29 |
| 735 | Accelerated | 1406 | 1.12 | 82110 | 65.41 |
| 736 | Accelerated | 288 | 0.23 | 82398 | 65.64 |
| 737 | Accelerated | 1207 | 0.96 | 83605 | 66.60 |
| 738 | Accelerated | 907 | 0.72 | 84512 | 67.33 |
| 739 | Accelerated | 978 | 0.78 | 85490 | 68.11 |
| 740 | Accelerated | 1513 | 1.21 | 87003 | 69.31 |
| 741 | Accelerated | 158 | 0.13 | 87161 | 69.44 |
| 742 | Accelerated | 1114 | 0.89 | 88275 | 70.32 |
| 743 | Accelerated | 568 | 0.45 | 88843 | 70.78 |
| 744 | Accelerated | 714 | 0.57 | 89557 | 71.35 |
| 745 | Accelerated | 969 | 0.77 | 90526 | 72.12 |
| 746 | Accelerated | 1722 | 1.37 | 92248 | 73.49 |
| 748 | Accelerated | 1029 | 0.82 | 93277 | 74.31 |
| 749 | Accelerated | 275 | 0.22 | 93552 | 74.53 |
| 752 | Advanced | 3266 | 2.60 | 96818 | 77.13 |
| 753 | Advanced | 148 | 0.12 | 96966 | 77.25 |
| 754 | Advanced | 716 | 0.57 | 97682 | 77.82 |
| 755 | Advanced | 511 | 0.41 | 98193 | 78.23 |
| 756 | Advanced | 930 | 0.74 | 99123 | 78.97 |
| 757 | Advanced | 613 | 0.49 | 99736 | 79.45 |
| 758 | Advanced | 1716 | 1.37 | 101452 | 80.82 |
| 759 | Advanced | 130 | 0.10 | 101582 | 80.93 |
| 760 | Advanced | 577 | 0.46 | 102159 | 81.38 |
| 761 | Advanced | 376 | 0.30 | 102535 | 81.68 |
| 762 | Advanced | 441 | 0.35 | 102976 | 82.04 |
| 763 | Advanced | 1219 | 0.97 | 104195 | 83.01 |
| 764 | Advanced | 735 | 0.59 | 104930 | 83.59 |
| 765 | Advanced | 905 | 0.72 | 105835 | 84.31 |
| 766 | Advanced | 554 | 0.44 | 106389 | 84.75 |
| 767 | Advanced | 145 | 0.12 | 106534 | 84.87 |
| 768 | Advanced | 338 | 0.27 | 106872 | 85.14 |
| 769 | Advanced | 464 | 0.37 | 107336 | 85.51 |
| 770 | Advanced | 1008 | 0.80 | 108344 | 86.31 |
| 771 | Advanced | 705 | 0.56 | 109049 | 86.87 |
| 772 | Advanced | 911 | 0.73 | 109960 | 87.60 |
| 773 | Advanced | 622 | 0.50 | 110582 | 88.09 |
| 775 | Advanced | 305 | 0.24 | 110887 | 88.34 |
| 776 | Advanced | 283 | 0.23 | 111170 | 88.56 |
| 777 | Advanced | 782 | 0.62 | 111952 | 89.19 |
| 778 | Advanced | 883 | 0.70 | 112835 | 89.89 |
| 779 | Advanced | 174 | 0.14 | 113009 | 90.03 |
| 780 | Advanced | 555 | 0.44 | 113564 | 90.47 |
| 781 | Advanced | 466 | 0.37 | 114030 | 90.84 |
| 782 | Advanced | 86 | 0.07 | 114116 | 90.91 |
| 783 | Advanced | 253 | 0.20 | 114369 | 91.11 |
| 784 | Advanced | 246 | 0.20 | 114615 | 91.31 |
| 785 | Advanced | 1028 | 0.82 | 115643 | 92.13 |
| 786 | Advanced | 266 | 0.21 | 115909 | 92.34 |
| 787 | Advanced | 344 | 0.27 | 116253 | 92.61 |
| 788 | Advanced | 549 | 0.44 | 116802 | 93.05 |
| 789 | Advanced | 378 | 0.30 | 117180 | 93.35 |
| 791 | Advanced | 75 | 0.06 | 117255 | 93.41 |
| 792 | Advanced | 263 | 0.21 | 117518 | 93.62 |
| 793 | Advanced | 576 | 0.46 | 118094 | 94.08 |
| 794 | Advanced | 406 | 0.32 | 118500 | 94.40 |
| 795 | Advanced | 187 | 0.15 | 118687 | 94.55 |
| 796 | Advanced | 261 | 0.21 | 118948 | 94.76 |
| 797 | Advanced | 408 | 0.33 | 119356 | 95.08 |
| 798 | Advanced | 376 | 0.30 | 119732 | 95.38 |
| 801 | Advanced | 228 | 0.18 | 119960 | 95.57 |
| 802 | Advanced | 582 | 0.46 | 120542 | 96.03 |
| 803 | Advanced | 205 | 0.16 | 120747 | 96.19 |
| 804 | Advanced | 51 | 0.04 | 120798 | 96.23 |
| 805 | Advanced | 193 | 0.15 | 120991 | 96.39 |
| 806 | Advanced | 230 | 0.18 | 121221 | 96.57 |
| 807 | Advanced | 301 | 0.24 | 121522 | 96.81 |
| 808 | Advanced | 310 | 0.25 | 121832 | 97.06 |
| 811 | Advanced | 83 | 0.07 | 121915 | 97.12 |
| 812 | Advanced | 237 | 0.19 | 122152 | 97.31 |
| 813 | Advanced | 315 | 0.25 | 122467 | 97.56 |
| 814 | Advanced | 125 | 0.10 | 122592 | 97.66 |
| 815 | Advanced | 41 | 0.03 | 122633 | 97.70 |
| 816 | Advanced | 74 | 0.06 | 122707 | 97.75 |
| 817 | Advanced | 159 | 0.13 | 122866 | 97.88 |
| 818 | Advanced | 272 | 0.22 | 123138 | 98.10 |
| 820 | Advanced | 207 | 0.16 | 123345 | 98.26 |
| 822 | Advanced | 16 | 0.01 | 123361 | 98.28 |
| 823 | Advanced | 172 | 0.14 | 123533 | 98.41 |
| 824 | Advanced | 208 | 0.17 | 123741 | 98.58 |
| 826 | Advanced | 22 | 0.02 | 123763 | 98.60 |
| 827 | Advanced | 101 | 0.08 | 123864 | 98.68 |
| 828 | Advanced | 53 | 0.04 | 123917 | 98.72 |
| 829 | Advanced | 70 | 0.06 | 123987 | 98.77 |
| 830 | Advanced | 178 | 0.14 | 124165 | 98.92 |
| 831 | Advanced | 23 | 0.02 | 124188 | 98.93 |
| 834 | Advanced | 158 | 0.13 | 124346 | 99.06 |
| 835 | Advanced | 75 | 0.06 | 124421 | 99.12 |
| 836 | Advanced | 33 | 0.03 | 124454 | 99.15 |
| 837 | Advanced | 124 | 0.10 | 124578 | 99.24 |
| 840 | Advanced | 31 | 0.02 | 124609 | 99.27 |
| 841 | Advanced | 12 | 0.01 | 124621 | 99.28 |
| 842 | Advanced | 49 | 0.04 | 124670 | 99.32 |
| 843 | Advanced | 10 | 0.01 | 124680 | 99.33 |
| 844 | Advanced | 146 | 0.12 | 124826 | 99.44 |
| 845 | Advanced | 38 | 0.03 | 124864 | 99.47 |
| 848 | Advanced | 59 | 0.05 | 124923 | 99.52 |
| 849 | Advanced | 81 | 0.06 | 125004 | 99.58 |
| 852 | Advanced | 60 | 0.05 | 125064 | 99.63 |
| 853 | Advanced | 10 | 0.01 | 125074 | 99.64 |
| 854 | Advanced | 19 | 0.02 | 125093 | 99.66 |
| 860 | Advanced | 23 | 0.02 | 125116 | 99.67 |
| 861 | Advanced | 77 | 0.06 | 125193 | 99.73 |
| 862 | Advanced | 9 | 0.01 | 125202 | 99.74 |
| 863 | Advanced | 324 | 0.26 | 125526 | 100.00 |

Table A3. Scale Score Frequency Distributions – Grade 4 ELA

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Scaled Score** | **Performance Level** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| 549 | Limited | 23 | 0.02 | 23 | 0.02 |
| 561 | Limited | 20 | 0.02 | 43 | 0.03 |
| 564 | Limited | 7 | 0.01 | 50 | 0.04 |
| 565 | Limited | 20 | 0.02 | 70 | 0.06 |
| 567 | Limited | 2 | 0.00 | 72 | 0.06 |
| 571 | Limited | 28 | 0.02 | 100 | 0.08 |
| 572 | Limited | 2 | 0.00 | 102 | 0.08 |
| 574 | Limited | 4 | 0.00 | 106 | 0.09 |
| 575 | Limited | 22 | 0.02 | 128 | 0.10 |
| 577 | Limited | 3 | 0.00 | 131 | 0.11 |
| 579 | Limited | 4 | 0.00 | 135 | 0.11 |
| 581 | Limited | 50 | 0.04 | 185 | 0.15 |
| 584 | Limited | 8 | 0.01 | 193 | 0.15 |
| 585 | Limited | 39 | 0.03 | 232 | 0.19 |
| 588 | Limited | 7 | 0.01 | 239 | 0.19 |
| 591 | Limited | 65 | 0.05 | 304 | 0.24 |
| 592 | Limited | 15 | 0.01 | 319 | 0.26 |
| 593 | Limited | 23 | 0.02 | 342 | 0.27 |
| 594 | Limited | 50 | 0.04 | 392 | 0.31 |
| 595 | Limited | 9 | 0.01 | 401 | 0.32 |
| 596 | Limited | 92 | 0.07 | 493 | 0.40 |
| 597 | Limited | 7 | 0.01 | 500 | 0.40 |
| 599 | Limited | 30 | 0.02 | 530 | 0.43 |
| 600 | Limited | 96 | 0.08 | 626 | 0.50 |
| 603 | Limited | 27 | 0.02 | 653 | 0.52 |
| 605 | Limited | 139 | 0.11 | 792 | 0.64 |
| 607 | Limited | 26 | 0.02 | 818 | 0.66 |
| 608 | Limited | 210 | 0.17 | 1028 | 0.82 |
| 609 | Limited | 125 | 0.10 | 1153 | 0.92 |
| 611 | Limited | 138 | 0.11 | 1291 | 1.04 |
| 612 | Limited | 52 | 0.04 | 1343 | 1.08 |
| 613 | Limited | 15 | 0.01 | 1358 | 1.09 |
| 615 | Limited | 53 | 0.04 | 1411 | 1.13 |
| 617 | Limited | 268 | 0.21 | 1679 | 1.35 |
| 618 | Limited | 245 | 0.20 | 1924 | 1.54 |
| 619 | Limited | 28 | 0.02 | 1952 | 1.57 |
| 620 | Limited | 81 | 0.06 | 2033 | 1.63 |
| 621 | Limited | 400 | 0.32 | 2433 | 1.95 |
| 622 | Limited | 105 | 0.08 | 2538 | 2.04 |
| 625 | Limited | 47 | 0.04 | 2585 | 2.07 |
| 626 | Limited | 87 | 0.07 | 2672 | 2.14 |
| 627 | Limited | 739 | 0.59 | 3411 | 2.74 |
| 629 | Limited | 51 | 0.04 | 3462 | 2.78 |
| 630 | Limited | 400 | 0.32 | 3862 | 3.10 |
| 631 | Limited | 278 | 0.22 | 4140 | 3.32 |
| 632 | Limited | 104 | 0.08 | 4244 | 3.40 |
| 635 | Limited | 99 | 0.08 | 4343 | 3.48 |
| 636 | Limited | 1052 | 0.84 | 5395 | 4.33 |
| 637 | Limited | 55 | 0.04 | 5450 | 4.37 |
| 638 | Limited | 313 | 0.25 | 5763 | 4.62 |
| 639 | Limited | 500 | 0.40 | 6263 | 5.02 |
| 640 | Limited | 63 | 0.05 | 6326 | 5.07 |
| 641 | Limited | 57 | 0.05 | 6383 | 5.12 |
| 643 | Limited | 704 | 0.56 | 7087 | 5.68 |
| 644 | Limited | 624 | 0.50 | 7711 | 6.18 |
| 645 | Limited | 142 | 0.11 | 7853 | 6.30 |
| 646 | Limited | 558 | 0.45 | 8411 | 6.75 |
| 647 | Limited | 358 | 0.29 | 8769 | 7.03 |
| 648 | Limited | 81 | 0.06 | 8850 | 7.10 |
| 649 | Limited | 67 | 0.05 | 8917 | 7.15 |
| 650 | Limited | 662 | 0.53 | 9579 | 7.68 |
| 651 | Limited | 840 | 0.67 | 10419 | 8.36 |
| 652 | Limited | 399 | 0.32 | 10818 | 8.68 |
| 653 | Limited | 230 | 0.18 | 11048 | 8.86 |
| 654 | Limited | 643 | 0.52 | 11691 | 9.38 |
| 655 | Limited | 73 | 0.06 | 11764 | 9.43 |
| 656 | Limited | 78 | 0.06 | 11842 | 9.50 |
| 657 | Limited | 714 | 0.57 | 12556 | 10.07 |
| 658 | Limited | 988 | 0.79 | 13544 | 10.86 |
| 659 | Limited | 564 | 0.45 | 14108 | 11.31 |
| 660 | Limited | 421 | 0.34 | 14529 | 11.65 |
| 661 | Limited | 497 | 0.40 | 15026 | 12.05 |
| 662 | Limited | 105 | 0.08 | 15131 | 12.13 |
| 663 | Limited | 803 | 0.64 | 15934 | 12.78 |
| 664 | Limited | 1389 | 1.11 | 17323 | 13.89 |
| 665 | Limited | 360 | 0.29 | 17683 | 14.18 |
| 666 | Limited | 302 | 0.24 | 17985 | 14.42 |
| 667 | Limited | 700 | 0.56 | 18685 | 14.98 |
| 668 | Limited | 202 | 0.16 | 18887 | 15.15 |
| 669 | Limited | 969 | 0.78 | 19856 | 15.92 |
| 670 | Limited | 1431 | 1.15 | 21287 | 17.07 |
| 671 | Limited | 430 | 0.34 | 21717 | 17.42 |
| 674 | Basic | 1318 | 1.06 | 23035 | 18.47 |
| 675 | Basic | 2069 | 1.66 | 25104 | 20.13 |
| 676 | Basic | 796 | 0.64 | 25900 | 20.77 |
| 677 | Basic | 102 | 0.08 | 26002 | 20.85 |
| 678 | Basic | 1102 | 0.88 | 27104 | 21.74 |
| 679 | Basic | 121 | 0.10 | 27225 | 21.83 |
| 680 | Basic | 120 | 0.10 | 27345 | 21.93 |
| 681 | Basic | 2816 | 2.26 | 30161 | 24.19 |
| 682 | Basic | 367 | 0.29 | 30528 | 24.48 |
| 683 | Basic | 1190 | 0.95 | 31718 | 25.44 |
| 685 | Basic | 243 | 0.19 | 31961 | 25.63 |
| 686 | Basic | 2978 | 2.39 | 34939 | 28.02 |
| 687 | Basic | 241 | 0.19 | 35180 | 28.21 |
| 688 | Basic | 1370 | 1.10 | 36550 | 29.31 |
| 690 | Basic | 262 | 0.21 | 36812 | 29.52 |
| 691 | Basic | 1802 | 1.45 | 38614 | 30.97 |
| 692 | Basic | 1458 | 1.17 | 40072 | 32.14 |
| 693 | Basic | 1351 | 1.08 | 41423 | 33.22 |
| 695 | Basic | 1586 | 1.27 | 43009 | 34.49 |
| 696 | Basic | 692 | 0.55 | 43701 | 35.05 |
| 697 | Basic | 1631 | 1.31 | 45332 | 36.35 |
| 698 | Basic | 1032 | 0.83 | 46364 | 37.18 |
| 700 | Proficient | 2482 | 1.99 | 48846 | 39.17 |
| 701 | Proficient | 150 | 0.12 | 48996 | 39.29 |
| 702 | Proficient | 2761 | 2.21 | 51757 | 41.51 |
| 703 | Proficient | 307 | 0.25 | 52064 | 41.75 |
| 704 | Proficient | 139 | 0.11 | 52203 | 41.86 |
| 705 | Proficient | 2237 | 1.79 | 54440 | 43.66 |
| 706 | Proficient | 266 | 0.21 | 54706 | 43.87 |
| 707 | Proficient | 2581 | 2.07 | 57287 | 45.94 |
| 708 | Proficient | 134 | 0.11 | 57421 | 46.05 |
| 709 | Proficient | 1518 | 1.22 | 58939 | 47.27 |
| 710 | Proficient | 853 | 0.68 | 59792 | 47.95 |
| 711 | Proficient | 1486 | 1.19 | 61278 | 49.14 |
| 712 | Proficient | 1494 | 1.20 | 62772 | 50.34 |
| 713 | Proficient | 295 | 0.24 | 63067 | 50.58 |
| 714 | Proficient | 1622 | 1.30 | 64689 | 51.88 |
| 715 | Proficient | 798 | 0.64 | 65487 | 52.52 |
| 716 | Proficient | 1512 | 1.21 | 66999 | 53.73 |
| 717 | Proficient | 150 | 0.12 | 67149 | 53.85 |
| 718 | Proficient | 2591 | 2.08 | 69740 | 55.93 |
| 719 | Proficient | 441 | 0.35 | 70181 | 56.28 |
| 720 | Proficient | 2088 | 1.67 | 72269 | 57.96 |
| 721 | Proficient | 137 | 0.11 | 72406 | 58.07 |
| 722 | Proficient | 142 | 0.11 | 72548 | 58.18 |
| 723 | Proficient | 128 | 0.10 | 72676 | 58.28 |
| 725 | Accelerated | 5165 | 4.14 | 77841 | 62.42 |
| 727 | Accelerated | 265 | 0.21 | 78106 | 62.64 |
| 728 | Accelerated | 2885 | 2.31 | 80991 | 64.95 |
| 729 | Accelerated | 640 | 0.51 | 81631 | 65.46 |
| 730 | Accelerated | 1438 | 1.15 | 83069 | 66.62 |
| 732 | Accelerated | 288 | 0.23 | 83357 | 66.85 |
| 733 | Accelerated | 2769 | 2.22 | 86126 | 69.07 |
| 734 | Accelerated | 826 | 0.66 | 86952 | 69.73 |
| 735 | Accelerated | 1330 | 1.07 | 88282 | 70.80 |
| 736 | Accelerated | 128 | 0.10 | 88410 | 70.90 |
| 737 | Accelerated | 138 | 0.11 | 88548 | 71.01 |
| 738 | Accelerated | 1684 | 1.35 | 90232 | 72.36 |
| 739 | Accelerated | 1841 | 1.48 | 92073 | 73.84 |
| 740 | Accelerated | 1351 | 1.08 | 93424 | 74.92 |
| 741 | Accelerated | 114 | 0.09 | 93538 | 75.01 |
| 742 | Accelerated | 133 | 0.11 | 93671 | 75.12 |
| 743 | Accelerated | 1723 | 1.38 | 95394 | 76.50 |
| 744 | Accelerated | 1539 | 1.23 | 96933 | 77.73 |
| 745 | Accelerated | 658 | 0.53 | 97591 | 78.26 |
| 746 | Accelerated | 688 | 0.55 | 98279 | 78.81 |
| 748 | Accelerated | 1808 | 1.45 | 100087 | 80.26 |
| 749 | Accelerated | 339 | 0.27 | 100426 | 80.54 |
| 750 | Accelerated | 1508 | 1.21 | 101934 | 81.75 |
| 753 | Advanced | 788 | 0.63 | 102722 | 82.38 |
| 754 | Advanced | 1775 | 1.42 | 104497 | 83.80 |
| 755 | Advanced | 224 | 0.18 | 104721 | 83.98 |
| 756 | Advanced | 1625 | 1.30 | 106346 | 85.28 |
| 757 | Advanced | 91 | 0.07 | 106437 | 85.36 |
| 759 | Advanced | 910 | 0.73 | 107347 | 86.09 |
| 760 | Advanced | 1301 | 1.04 | 108648 | 87.13 |
| 761 | Advanced | 89 | 0.07 | 108737 | 87.20 |
| 762 | Advanced | 1517 | 1.22 | 110254 | 88.42 |
| 765 | Advanced | 881 | 0.71 | 111135 | 89.12 |
| 766 | Advanced | 253 | 0.20 | 111388 | 89.33 |
| 767 | Advanced | 896 | 0.72 | 112284 | 90.05 |
| 768 | Advanced | 161 | 0.13 | 112445 | 90.17 |
| 769 | Advanced | 1243 | 1.00 | 113688 | 91.17 |
| 771 | Advanced | 116 | 0.09 | 113804 | 91.26 |
| 772 | Advanced | 187 | 0.15 | 113991 | 91.41 |
| 773 | Advanced | 605 | 0.49 | 114596 | 91.90 |
| 774 | Advanced | 793 | 0.64 | 115389 | 92.54 |
| 775 | Advanced | 140 | 0.11 | 115529 | 92.65 |
| 776 | Advanced | 1085 | 0.87 | 116614 | 93.52 |
| 777 | Advanced | 66 | 0.05 | 116680 | 93.57 |
| 778 | Advanced | 62 | 0.05 | 116742 | 93.62 |
| 779 | Advanced | 151 | 0.12 | 116893 | 93.74 |
| 780 | Advanced | 59 | 0.05 | 116952 | 93.79 |
| 781 | Advanced | 476 | 0.38 | 117428 | 94.17 |
| 782 | Advanced | 657 | 0.53 | 118085 | 94.70 |
| 783 | Advanced | 100 | 0.08 | 118185 | 94.78 |
| 784 | Advanced | 876 | 0.70 | 119061 | 95.48 |
| 785 | Advanced | 44 | 0.04 | 119105 | 95.52 |
| 787 | Advanced | 109 | 0.09 | 119214 | 95.60 |
| 789 | Advanced | 59 | 0.05 | 119273 | 95.65 |
| 790 | Advanced | 459 | 0.37 | 119732 | 96.02 |
| 791 | Advanced | 441 | 0.35 | 120173 | 96.37 |
| 792 | Advanced | 121 | 0.10 | 120294 | 96.47 |
| 793 | Advanced | 709 | 0.57 | 121003 | 97.04 |
| 795 | Advanced | 34 | 0.03 | 121037 | 97.06 |
| 796 | Advanced | 69 | 0.06 | 121106 | 97.12 |
| 798 | Advanced | 36 | 0.03 | 121142 | 97.15 |
| 799 | Advanced | 282 | 0.23 | 121424 | 97.38 |
| 800 | Advanced | 42 | 0.03 | 121466 | 97.41 |
| 801 | Advanced | 20 | 0.02 | 121486 | 97.42 |
| 802 | Advanced | 750 | 0.60 | 122236 | 98.03 |
| 803 | Advanced | 174 | 0.14 | 122410 | 98.17 |
| 806 | Advanced | 70 | 0.06 | 122480 | 98.22 |
| 809 | Advanced | 40 | 0.03 | 122520 | 98.25 |
| 810 | Advanced | 54 | 0.04 | 122574 | 98.30 |
| 811 | Advanced | 159 | 0.13 | 122733 | 98.42 |
| 812 | Advanced | 37 | 0.03 | 122770 | 98.45 |
| 813 | Advanced | 504 | 0.40 | 123274 | 98.86 |
| 815 | Advanced | 142 | 0.11 | 123416 | 98.97 |
| 817 | Advanced | 12 | 0.01 | 123428 | 98.98 |
| 818 | Advanced | 36 | 0.03 | 123464 | 99.01 |
| 821 | Advanced | 20 | 0.02 | 123484 | 99.03 |
| 823 | Advanced | 47 | 0.04 | 123531 | 99.06 |
| 824 | Advanced | 94 | 0.08 | 123625 | 99.14 |
| 826 | Advanced | 167 | 0.13 | 123792 | 99.27 |
| 827 | Advanced | 135 | 0.11 | 123927 | 99.38 |
| 828 | Advanced | 8 | 0.01 | 123935 | 99.39 |
| 829 | Advanced | 80 | 0.06 | 124015 | 99.45 |
| 832 | Advanced | 28 | 0.02 | 124043 | 99.48 |
| 836 | Advanced | 17 | 0.01 | 124060 | 99.49 |
| 838 | Advanced | 10 | 0.01 | 124070 | 99.50 |
| 839 | Advanced | 46 | 0.04 | 124116 | 99.53 |
| 840 | Advanced | 16 | 0.01 | 124132 | 99.55 |
| 842 | Advanced | 82 | 0.07 | 124214 | 99.61 |
| 843 | Advanced | 10 | 0.01 | 124224 | 99.62 |
| 844 | Advanced | 97 | 0.08 | 124321 | 99.70 |
| 845 | Advanced | 42 | 0.03 | 124363 | 99.73 |
| 846 | Advanced | 334 | 0.27 | 124697 | 100.00 |

Table A4. Scale Score Frequency Distributions – Grade 5 ELA

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Scaled Score** | **Performance Level** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| 552 | Limited | 82 | 0.07 | 82 | 0.07 |
| 553 | Limited | 5 | 0.00 | 87 | 0.07 |
| 555 | Limited | 3 | 0.00 | 90 | 0.07 |
| 557 | Limited | 5 | 0.00 | 95 | 0.08 |
| 558 | Limited | 14 | 0.01 | 109 | 0.09 |
| 560 | Limited | 4 | 0.00 | 113 | 0.09 |
| 565 | Limited | 64 | 0.05 | 177 | 0.14 |
| 566 | Limited | 8 | 0.01 | 185 | 0.15 |
| 568 | Limited | 2 | 0.00 | 187 | 0.15 |
| 571 | Limited | 85 | 0.07 | 272 | 0.22 |
| 574 | Limited | 9 | 0.01 | 281 | 0.23 |
| 576 | Limited | 10 | 0.01 | 291 | 0.24 |
| 577 | Limited | 3 | 0.00 | 294 | 0.24 |
| 578 | Limited | 18 | 0.01 | 312 | 0.25 |
| 580 | Limited | 144 | 0.12 | 456 | 0.37 |
| 585 | Limited | 133 | 0.11 | 589 | 0.48 |
| 586 | Limited | 5 | 0.00 | 594 | 0.48 |
| 588 | Limited | 17 | 0.01 | 611 | 0.49 |
| 589 | Limited | 11 | 0.01 | 622 | 0.50 |
| 591 | Limited | 15 | 0.01 | 637 | 0.52 |
| 592 | Limited | 223 | 0.18 | 860 | 0.70 |
| 593 | Limited | 19 | 0.02 | 879 | 0.71 |
| 594 | Limited | 14 | 0.01 | 893 | 0.72 |
| 597 | Limited | 198 | 0.16 | 1091 | 0.88 |
| 600 | Limited | 33 | 0.03 | 1124 | 0.91 |
| 601 | Limited | 24 | 0.02 | 1148 | 0.93 |
| 602 | Limited | 19 | 0.02 | 1167 | 0.94 |
| 603 | Limited | 314 | 0.25 | 1481 | 1.20 |
| 604 | Limited | 45 | 0.04 | 1526 | 1.24 |
| 606 | Limited | 53 | 0.04 | 1579 | 1.28 |
| 608 | Limited | 337 | 0.27 | 1916 | 1.55 |
| 610 | Limited | 32 | 0.03 | 1948 | 1.58 |
| 612 | Limited | 58 | 0.05 | 2006 | 1.62 |
| 613 | Limited | 451 | 0.37 | 2457 | 1.99 |
| 614 | Limited | 94 | 0.08 | 2551 | 2.06 |
| 616 | Limited | 31 | 0.03 | 2582 | 2.09 |
| 617 | Limited | 477 | 0.39 | 3059 | 2.48 |
| 619 | Limited | 46 | 0.04 | 3105 | 2.51 |
| 621 | Limited | 555 | 0.45 | 3660 | 2.96 |
| 622 | Limited | 89 | 0.07 | 3749 | 3.03 |
| 623 | Limited | 39 | 0.03 | 3788 | 3.07 |
| 624 | Limited | 93 | 0.08 | 3881 | 3.14 |
| 625 | Limited | 562 | 0.45 | 4443 | 3.60 |
| 626 | Limited | 60 | 0.05 | 4503 | 3.65 |
| 627 | Limited | 55 | 0.04 | 4558 | 3.69 |
| 629 | Limited | 590 | 0.48 | 5148 | 4.17 |
| 630 | Limited | 116 | 0.09 | 5264 | 4.26 |
| 631 | Limited | 116 | 0.09 | 5380 | 4.36 |
| 632 | Limited | 112 | 0.09 | 5492 | 4.45 |
| 633 | Limited | 709 | 0.57 | 6201 | 5.02 |
| 634 | Limited | 57 | 0.05 | 6258 | 5.07 |
| 635 | Limited | 69 | 0.06 | 6327 | 5.12 |
| 637 | Limited | 868 | 0.70 | 7195 | 5.82 |
| 638 | Limited | 55 | 0.04 | 7250 | 5.87 |
| 639 | Limited | 152 | 0.12 | 7402 | 5.99 |
| 640 | Limited | 885 | 0.72 | 8287 | 6.71 |
| 641 | Limited | 57 | 0.05 | 8344 | 6.75 |
| 643 | Limited | 83 | 0.07 | 8427 | 6.82 |
| 644 | Limited | 1013 | 0.82 | 9440 | 7.64 |
| 645 | Limited | 63 | 0.05 | 9503 | 7.69 |
| 646 | Limited | 141 | 0.11 | 9644 | 7.81 |
| 647 | Limited | 1046 | 0.85 | 10690 | 8.65 |
| 650 | Limited | 95 | 0.08 | 10785 | 8.73 |
| 651 | Limited | 1055 | 0.85 | 11840 | 9.58 |
| 652 | Limited | 106 | 0.09 | 11946 | 9.67 |
| 653 | Limited | 1217 | 0.99 | 13163 | 10.66 |
| 654 | Limited | 231 | 0.19 | 13394 | 10.84 |
| 657 | Limited | 1169 | 0.95 | 14563 | 11.79 |
| 658 | Limited | 96 | 0.08 | 14659 | 11.87 |
| 659 | Limited | 1281 | 1.04 | 15940 | 12.90 |
| 660 | Limited | 233 | 0.19 | 16173 | 13.09 |
| 663 | Limited | 1337 | 1.08 | 17510 | 14.17 |
| 664 | Limited | 119 | 0.10 | 17629 | 14.27 |
| 665 | Limited | 1469 | 1.19 | 19098 | 15.46 |
| 666 | Limited | 256 | 0.21 | 19354 | 15.67 |
| 669 | Basic | 1462 | 1.18 | 20816 | 16.85 |
| 670 | Basic | 100 | 0.08 | 20916 | 16.93 |
| 671 | Basic | 1652 | 1.34 | 22568 | 18.27 |
| 672 | Basic | 131 | 0.11 | 22699 | 18.37 |
| 674 | Basic | 124 | 0.10 | 22823 | 18.47 |
| 675 | Basic | 1511 | 1.22 | 24334 | 19.70 |
| 676 | Basic | 270 | 0.22 | 24604 | 19.92 |
| 677 | Basic | 1622 | 1.31 | 26226 | 21.23 |
| 680 | Basic | 329 | 0.27 | 26555 | 21.50 |
| 681 | Basic | 1691 | 1.37 | 28246 | 22.86 |
| 682 | Basic | 495 | 0.40 | 28741 | 23.27 |
| 683 | Basic | 1418 | 1.15 | 30159 | 24.41 |
| 685 | Basic | 314 | 0.25 | 30473 | 24.67 |
| 686 | Basic | 480 | 0.39 | 30953 | 25.06 |
| 687 | Basic | 1535 | 1.24 | 32488 | 26.30 |
| 688 | Basic | 1631 | 1.32 | 34119 | 27.62 |
| 691 | Basic | 503 | 0.41 | 34622 | 28.03 |
| 692 | Basic | 683 | 0.55 | 35305 | 28.58 |
| 693 | Basic | 1650 | 1.34 | 36955 | 29.91 |
| 694 | Basic | 1386 | 1.12 | 38341 | 31.04 |
| 696 | Basic | 591 | 0.48 | 38932 | 31.51 |
| 697 | Basic | 552 | 0.45 | 39484 | 31.96 |
| 698 | Basic | 181 | 0.15 | 39665 | 32.11 |
| 700 | Proficient | 3315 | 2.68 | 42980 | 34.79 |
| 701 | Proficient | 600 | 0.49 | 43580 | 35.28 |
| 702 | Proficient | 863 | 0.70 | 44443 | 35.98 |
| 703 | Proficient | 408 | 0.33 | 44851 | 36.31 |
| 704 | Proficient | 1557 | 1.26 | 46408 | 37.57 |
| 705 | Proficient | 1543 | 1.25 | 47951 | 38.82 |
| 706 | Proficient | 618 | 0.50 | 48569 | 39.32 |
| 707 | Proficient | 650 | 0.53 | 49219 | 39.84 |
| 708 | Proficient | 423 | 0.34 | 49642 | 40.18 |
| 709 | Proficient | 218 | 0.18 | 49860 | 40.36 |
| 710 | Proficient | 1580 | 1.28 | 51440 | 41.64 |
| 711 | Proficient | 2025 | 1.64 | 53465 | 43.28 |
| 712 | Proficient | 886 | 0.72 | 54351 | 44.00 |
| 713 | Proficient | 462 | 0.37 | 54813 | 44.37 |
| 714 | Proficient | 210 | 0.17 | 55023 | 44.54 |
| 716 | Proficient | 3551 | 2.87 | 58574 | 47.41 |
| 717 | Proficient | 927 | 0.75 | 59501 | 48.16 |
| 718 | Proficient | 660 | 0.53 | 60161 | 48.70 |
| 719 | Proficient | 234 | 0.19 | 60395 | 48.89 |
| 722 | Proficient | 4087 | 3.31 | 64482 | 52.20 |
| 725 | Accelerated | 1478 | 1.20 | 65960 | 53.39 |
| 727 | Accelerated | 721 | 0.58 | 66681 | 53.98 |
| 728 | Accelerated | 4156 | 3.36 | 70837 | 57.34 |
| 729 | Accelerated | 778 | 0.63 | 71615 | 57.97 |
| 730 | Accelerated | 244 | 0.20 | 71859 | 58.17 |
| 732 | Accelerated | 501 | 0.41 | 72360 | 58.57 |
| 733 | Accelerated | 533 | 0.43 | 72893 | 59.01 |
| 734 | Accelerated | 2340 | 1.89 | 75233 | 60.90 |
| 735 | Accelerated | 2495 | 2.02 | 77728 | 62.92 |
| 736 | Accelerated | 243 | 0.20 | 77971 | 63.12 |
| 738 | Accelerated | 453 | 0.37 | 78424 | 63.48 |
| 739 | Accelerated | 498 | 0.40 | 78922 | 63.89 |
| 740 | Accelerated | 502 | 0.41 | 79424 | 64.29 |
| 741 | Accelerated | 4347 | 3.52 | 83771 | 67.81 |
| 742 | Accelerated | 235 | 0.19 | 84006 | 68.00 |
| 743 | Accelerated | 456 | 0.37 | 84462 | 68.37 |
| 744 | Accelerated | 267 | 0.22 | 84729 | 68.59 |
| 745 | Accelerated | 244 | 0.20 | 84973 | 68.78 |
| 746 | Accelerated | 516 | 0.42 | 85489 | 69.20 |
| 747 | Accelerated | 517 | 0.42 | 86006 | 69.62 |
| 748 | Accelerated | 4239 | 3.43 | 90245 | 73.05 |
| 749 | Accelerated | 201 | 0.16 | 90446 | 73.21 |
| 750 | Accelerated | 423 | 0.34 | 90869 | 73.56 |
| 751 | Accelerated | 212 | 0.17 | 91081 | 73.73 |
| 755 | Advanced | 3206 | 2.60 | 94287 | 76.32 |
| 756 | Advanced | 2246 | 1.82 | 96533 | 78.14 |
| 757 | Advanced | 219 | 0.18 | 96752 | 78.32 |
| 758 | Advanced | 223 | 0.18 | 96975 | 78.50 |
| 760 | Advanced | 585 | 0.47 | 97560 | 78.97 |
| 761 | Advanced | 208 | 0.17 | 97768 | 79.14 |
| 762 | Advanced | 2303 | 1.86 | 100071 | 81.01 |
| 763 | Advanced | 193 | 0.16 | 100264 | 81.16 |
| 764 | Advanced | 2134 | 1.73 | 102398 | 82.89 |
| 765 | Advanced | 157 | 0.13 | 102555 | 83.02 |
| 767 | Advanced | 390 | 0.32 | 102945 | 83.33 |
| 768 | Advanced | 173 | 0.14 | 103118 | 83.47 |
| 769 | Advanced | 511 | 0.41 | 103629 | 83.89 |
| 770 | Advanced | 1753 | 1.42 | 105382 | 85.30 |
| 771 | Advanced | 321 | 0.26 | 105703 | 85.56 |
| 773 | Advanced | 2069 | 1.67 | 107772 | 87.24 |
| 775 | Advanced | 323 | 0.26 | 108095 | 87.50 |
| 776 | Advanced | 163 | 0.13 | 108258 | 87.63 |
| 777 | Advanced | 128 | 0.10 | 108386 | 87.74 |
| 778 | Advanced | 267 | 0.22 | 108653 | 87.95 |
| 779 | Advanced | 1684 | 1.36 | 110337 | 89.32 |
| 780 | Advanced | 123 | 0.10 | 110460 | 89.42 |
| 782 | Advanced | 1774 | 1.44 | 112234 | 90.85 |
| 784 | Advanced | 354 | 0.29 | 112588 | 91.14 |
| 785 | Advanced | 144 | 0.12 | 112732 | 91.25 |
| 787 | Advanced | 126 | 0.10 | 112858 | 91.36 |
| 788 | Advanced | 1468 | 1.19 | 114326 | 92.54 |
| 789 | Advanced | 192 | 0.16 | 114518 | 92.70 |
| 791 | Advanced | 90 | 0.07 | 114608 | 92.77 |
| 793 | Advanced | 1366 | 1.11 | 115974 | 93.88 |
| 794 | Advanced | 271 | 0.22 | 116245 | 94.10 |
| 795 | Advanced | 101 | 0.08 | 116346 | 94.18 |
| 797 | Advanced | 91 | 0.07 | 116437 | 94.25 |
| 799 | Advanced | 1177 | 0.95 | 117614 | 95.21 |
| 800 | Advanced | 156 | 0.13 | 117770 | 95.33 |
| 802 | Advanced | 84 | 0.07 | 117854 | 95.40 |
| 805 | Advanced | 1148 | 0.93 | 119002 | 96.33 |
| 806 | Advanced | 174 | 0.14 | 119176 | 96.47 |
| 808 | Advanced | 75 | 0.06 | 119251 | 96.53 |
| 810 | Advanced | 823 | 0.67 | 120074 | 97.20 |
| 812 | Advanced | 155 | 0.13 | 120229 | 97.32 |
| 814 | Advanced | 39 | 0.03 | 120268 | 97.35 |
| 818 | Advanced | 119 | 0.10 | 120387 | 97.45 |
| 819 | Advanced | 740 | 0.60 | 121127 | 98.05 |
| 820 | Advanced | 45 | 0.04 | 121172 | 98.09 |
| 824 | Advanced | 518 | 0.42 | 121690 | 98.51 |
| 827 | Advanced | 75 | 0.06 | 121765 | 98.57 |
| 828 | Advanced | 28 | 0.02 | 121793 | 98.59 |
| 832 | Advanced | 26 | 0.02 | 121819 | 98.61 |
| 833 | Advanced | 46 | 0.04 | 121865 | 98.65 |
| 834 | Advanced | 23 | 0.02 | 121888 | 98.67 |
| 835 | Advanced | 475 | 0.38 | 122363 | 99.05 |
| 839 | Advanced | 304 | 0.25 | 122667 | 99.30 |
| 844 | Advanced | 42 | 0.03 | 122709 | 99.33 |
| 845 | Advanced | 13 | 0.01 | 122722 | 99.34 |
| 848 | Advanced | 814 | 0.66 | 123536 | 100.00 |

Table A5. Scale Score Frequency Distributions – Grade 6 ELA

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Scaled Score** | **Performance Level** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| 555 | Limited | 26 | 0.02 | 26 | 0.02 |
| 560 | Limited | 7 | 0.01 | 33 | 0.03 |
| 562 | Limited | 3 | 0.00 | 36 | 0.03 |
| 564 | Limited | 4 | 0.00 | 40 | 0.03 |
| 565 | Limited | 12 | 0.01 | 52 | 0.04 |
| 567 | Limited | 3 | 0.00 | 55 | 0.05 |
| 568 | Limited | 4 | 0.00 | 59 | 0.05 |
| 569 | Limited | 1 | 0.00 | 60 | 0.05 |
| 570 | Limited | 10 | 0.01 | 70 | 0.06 |
| 571 | Limited | 6 | 0.00 | 76 | 0.06 |
| 572 | Limited | 8 | 0.01 | 84 | 0.07 |
| 573 | Limited | 12 | 0.01 | 96 | 0.08 |
| 574 | Limited | 8 | 0.01 | 104 | 0.09 |
| 576 | Limited | 9 | 0.01 | 113 | 0.09 |
| 577 | Limited | 6 | 0.00 | 119 | 0.10 |
| 578 | Limited | 10 | 0.01 | 129 | 0.11 |
| 579 | Limited | 7 | 0.01 | 136 | 0.11 |
| 581 | Limited | 20 | 0.02 | 156 | 0.13 |
| 582 | Limited | 8 | 0.01 | 164 | 0.14 |
| 583 | Limited | 14 | 0.01 | 178 | 0.15 |
| 584 | Limited | 28 | 0.02 | 206 | 0.17 |
| 585 | Limited | 8 | 0.01 | 214 | 0.18 |
| 586 | Limited | 21 | 0.02 | 235 | 0.19 |
| 588 | Limited | 24 | 0.02 | 259 | 0.21 |
| 589 | Limited | 28 | 0.02 | 287 | 0.24 |
| 590 | Limited | 12 | 0.01 | 299 | 0.25 |
| 591 | Limited | 11 | 0.01 | 310 | 0.26 |
| 592 | Limited | 44 | 0.04 | 354 | 0.29 |
| 593 | Limited | 26 | 0.02 | 380 | 0.31 |
| 594 | Limited | 65 | 0.05 | 445 | 0.37 |
| 595 | Limited | 11 | 0.01 | 456 | 0.38 |
| 596 | Limited | 8 | 0.01 | 464 | 0.38 |
| 597 | Limited | 49 | 0.04 | 513 | 0.42 |
| 598 | Limited | 21 | 0.02 | 534 | 0.44 |
| 599 | Limited | 32 | 0.03 | 566 | 0.47 |
| 600 | Limited | 12 | 0.01 | 578 | 0.48 |
| 601 | Limited | 41 | 0.03 | 619 | 0.51 |
| 602 | Limited | 123 | 0.10 | 742 | 0.61 |
| 603 | Limited | 13 | 0.01 | 755 | 0.62 |
| 604 | Limited | 19 | 0.02 | 774 | 0.64 |
| 605 | Limited | 49 | 0.04 | 823 | 0.68 |
| 606 | Limited | 80 | 0.07 | 903 | 0.74 |
| 607 | Limited | 79 | 0.07 | 982 | 0.81 |
| 608 | Limited | 55 | 0.05 | 1037 | 0.85 |
| 609 | Limited | 70 | 0.06 | 1107 | 0.91 |
| 610 | Limited | 85 | 0.07 | 1192 | 0.98 |
| 611 | Limited | 33 | 0.03 | 1225 | 1.01 |
| 612 | Limited | 91 | 0.07 | 1316 | 1.08 |
| 613 | Limited | 39 | 0.03 | 1355 | 1.12 |
| 614 | Limited | 155 | 0.13 | 1510 | 1.24 |
| 615 | Limited | 98 | 0.08 | 1608 | 1.32 |
| 616 | Limited | 171 | 0.14 | 1779 | 1.47 |
| 618 | Limited | 81 | 0.07 | 1860 | 1.53 |
| 619 | Limited | 143 | 0.12 | 2003 | 1.65 |
| 620 | Limited | 118 | 0.10 | 2121 | 1.75 |
| 621 | Limited | 219 | 0.18 | 2340 | 1.93 |
| 622 | Limited | 170 | 0.14 | 2510 | 2.07 |
| 623 | Limited | 44 | 0.04 | 2554 | 2.10 |
| 624 | Limited | 105 | 0.09 | 2659 | 2.19 |
| 625 | Limited | 173 | 0.14 | 2832 | 2.33 |
| 626 | Limited | 219 | 0.18 | 3051 | 2.51 |
| 627 | Limited | 321 | 0.26 | 3372 | 2.78 |
| 628 | Limited | 169 | 0.14 | 3541 | 2.92 |
| 629 | Limited | 108 | 0.09 | 3649 | 3.01 |
| 630 | Limited | 110 | 0.09 | 3759 | 3.10 |
| 631 | Limited | 328 | 0.27 | 4087 | 3.37 |
| 632 | Limited | 255 | 0.21 | 4342 | 3.58 |
| 633 | Limited | 282 | 0.23 | 4624 | 3.81 |
| 634 | Limited | 135 | 0.11 | 4759 | 3.92 |
| 635 | Limited | 126 | 0.10 | 4885 | 4.02 |
| 636 | Limited | 124 | 0.10 | 5009 | 4.13 |
| 637 | Limited | 541 | 0.45 | 5550 | 4.57 |
| 638 | Limited | 352 | 0.29 | 5902 | 4.86 |
| 639 | Limited | 132 | 0.11 | 6034 | 4.97 |
| 640 | Limited | 153 | 0.13 | 6187 | 5.10 |
| 641 | Limited | 303 | 0.25 | 6490 | 5.35 |
| 642 | Limited | 464 | 0.38 | 6954 | 5.73 |
| 643 | Limited | 391 | 0.32 | 7345 | 6.05 |
| 644 | Limited | 91 | 0.07 | 7436 | 6.13 |
| 645 | Limited | 260 | 0.21 | 7696 | 6.34 |
| 646 | Limited | 605 | 0.50 | 8301 | 6.84 |
| 647 | Limited | 560 | 0.46 | 8861 | 7.30 |
| 648 | Limited | 100 | 0.08 | 8961 | 7.38 |
| 649 | Limited | 278 | 0.23 | 9239 | 7.61 |
| 650 | Limited | 467 | 0.38 | 9706 | 8.00 |
| 651 | Limited | 696 | 0.57 | 10402 | 8.57 |
| 652 | Limited | 364 | 0.30 | 10766 | 8.87 |
| 653 | Limited | 197 | 0.16 | 10963 | 9.03 |
| 654 | Limited | 210 | 0.17 | 11173 | 9.20 |
| 655 | Limited | 1052 | 0.87 | 12225 | 10.07 |
| 656 | Limited | 399 | 0.33 | 12624 | 10.40 |
| 657 | Limited | 355 | 0.29 | 12979 | 10.69 |
| 658 | Limited | 92 | 0.08 | 13071 | 10.77 |
| 659 | Limited | 1238 | 1.02 | 14309 | 11.79 |
| 660 | Limited | 619 | 0.51 | 14928 | 12.30 |
| 661 | Limited | 209 | 0.17 | 15137 | 12.47 |
| 662 | Limited | 287 | 0.24 | 15424 | 12.71 |
| 663 | Limited | 1315 | 1.08 | 16739 | 13.79 |
| 664 | Limited | 637 | 0.52 | 17376 | 14.31 |
| 666 | Limited | 628 | 0.52 | 18004 | 14.83 |
| 668 | Basic | 1679 | 1.38 | 19683 | 16.21 |
| 669 | Basic | 150 | 0.12 | 19833 | 16.34 |
| 670 | Basic | 1100 | 0.91 | 20933 | 17.24 |
| 671 | Basic | 1245 | 1.03 | 22178 | 18.27 |
| 673 | Basic | 610 | 0.50 | 22788 | 18.77 |
| 674 | Basic | 2051 | 1.69 | 24839 | 20.46 |
| 676 | Basic | 617 | 0.51 | 25456 | 20.97 |
| 677 | Basic | 829 | 0.68 | 26285 | 21.65 |
| 678 | Basic | 1457 | 1.20 | 27742 | 22.85 |
| 679 | Basic | 535 | 0.44 | 28277 | 23.29 |
| 680 | Basic | 325 | 0.27 | 28602 | 23.56 |
| 681 | Basic | 2134 | 1.76 | 30736 | 25.32 |
| 683 | Basic | 723 | 0.60 | 31459 | 25.91 |
| 684 | Basic | 1374 | 1.13 | 32833 | 27.05 |
| 685 | Basic | 1110 | 0.91 | 33943 | 27.96 |
| 686 | Basic | 693 | 0.57 | 34636 | 28.53 |
| 687 | Basic | 703 | 0.58 | 35339 | 29.11 |
| 688 | Basic | 1699 | 1.40 | 37038 | 30.51 |
| 689 | Basic | 759 | 0.63 | 37797 | 31.13 |
| 690 | Basic | 827 | 0.68 | 38624 | 31.82 |
| 691 | Basic | 1478 | 1.22 | 40102 | 33.03 |
| 692 | Basic | 1166 | 0.96 | 41268 | 33.99 |
| 693 | Basic | 758 | 0.62 | 42026 | 34.62 |
| 694 | Basic | 423 | 0.35 | 42449 | 34.97 |
| 695 | Basic | 2130 | 1.75 | 44579 | 36.72 |
| 696 | Basic | 634 | 0.52 | 45213 | 37.24 |
| 697 | Basic | 801 | 0.66 | 46014 | 37.90 |
| 698 | Basic | 2059 | 1.70 | 48073 | 39.60 |
| 700 | Proficient | 1700 | 1.40 | 49773 | 41.00 |
| 701 | Proficient | 1873 | 1.54 | 51646 | 42.54 |
| 702 | Proficient | 1090 | 0.90 | 52736 | 43.44 |
| 703 | Proficient | 855 | 0.70 | 53591 | 44.14 |
| 704 | Proficient | 1479 | 1.22 | 55070 | 45.36 |
| 705 | Proficient | 1372 | 1.13 | 56442 | 46.49 |
| 706 | Proficient | 1073 | 0.88 | 57515 | 47.38 |
| 707 | Proficient | 824 | 0.68 | 58339 | 48.06 |
| 708 | Proficient | 1817 | 1.50 | 60156 | 49.55 |
| 709 | Proficient | 1341 | 1.10 | 61497 | 50.66 |
| 710 | Proficient | 643 | 0.53 | 62140 | 51.19 |
| 711 | Proficient | 1969 | 1.62 | 64109 | 52.81 |
| 712 | Proficient | 1318 | 1.09 | 65427 | 53.89 |
| 713 | Proficient | 685 | 0.56 | 66112 | 54.46 |
| 714 | Proficient | 1101 | 0.91 | 67213 | 55.37 |
| 715 | Proficient | 2043 | 1.68 | 69256 | 57.05 |
| 716 | Proficient | 687 | 0.57 | 69943 | 57.61 |
| 717 | Proficient | 1306 | 1.08 | 71249 | 58.69 |
| 718 | Proficient | 1376 | 1.13 | 72625 | 59.82 |
| 719 | Proficient | 1187 | 0.98 | 73812 | 60.80 |
| 720 | Proficient | 1556 | 1.28 | 75368 | 62.08 |
| 721 | Proficient | 1375 | 1.13 | 76743 | 63.22 |
| 722 | Proficient | 944 | 0.78 | 77687 | 63.99 |
| 723 | Proficient | 932 | 0.77 | 78619 | 64.76 |
| 725 | Accelerated | 2987 | 2.46 | 81606 | 67.22 |
| 726 | Accelerated | 1137 | 0.94 | 82743 | 68.16 |
| 727 | Accelerated | 1062 | 0.87 | 83805 | 69.03 |
| 728 | Accelerated | 1328 | 1.09 | 85133 | 70.13 |
| 729 | Accelerated | 1153 | 0.95 | 86286 | 71.08 |
| 730 | Accelerated | 1477 | 1.22 | 87763 | 72.29 |
| 731 | Accelerated | 234 | 0.19 | 87997 | 72.49 |
| 732 | Accelerated | 1664 | 1.37 | 89661 | 73.86 |
| 733 | Accelerated | 1280 | 1.05 | 90941 | 74.91 |
| 734 | Accelerated | 612 | 0.50 | 91553 | 75.42 |
| 735 | Accelerated | 1246 | 1.03 | 92799 | 76.44 |
| 736 | Accelerated | 1099 | 0.91 | 93898 | 77.35 |
| 737 | Accelerated | 1218 | 1.00 | 95116 | 78.35 |
| 738 | Accelerated | 642 | 0.53 | 95758 | 78.88 |
| 739 | Accelerated | 1263 | 1.04 | 97021 | 79.92 |
| 740 | Accelerated | 1134 | 0.93 | 98155 | 80.85 |
| 741 | Accelerated | 681 | 0.56 | 98836 | 81.41 |
| 742 | Accelerated | 686 | 0.57 | 99522 | 81.98 |
| 743 | Accelerated | 997 | 0.82 | 100519 | 82.80 |
| 744 | Accelerated | 1291 | 1.06 | 101810 | 83.86 |
| 745 | Accelerated | 349 | 0.29 | 102159 | 84.15 |
| 746 | Accelerated | 657 | 0.54 | 102816 | 84.69 |
| 747 | Accelerated | 1217 | 1.00 | 104033 | 85.70 |
| 748 | Accelerated | 884 | 0.73 | 104917 | 86.42 |
| 749 | Accelerated | 472 | 0.39 | 105389 | 86.81 |
| 751 | Advanced | 1244 | 1.02 | 106633 | 87.84 |
| 752 | Advanced | 1125 | 0.93 | 107758 | 88.76 |
| 753 | Advanced | 418 | 0.34 | 108176 | 89.11 |
| 754 | Advanced | 278 | 0.23 | 108454 | 89.34 |
| 755 | Advanced | 728 | 0.60 | 109182 | 89.94 |
| 756 | Advanced | 970 | 0.80 | 110152 | 90.74 |
| 757 | Advanced | 529 | 0.44 | 110681 | 91.17 |
| 758 | Advanced | 100 | 0.08 | 110781 | 91.25 |
| 759 | Advanced | 612 | 0.50 | 111393 | 91.76 |
| 760 | Advanced | 835 | 0.69 | 112228 | 92.45 |
| 761 | Advanced | 485 | 0.40 | 112713 | 92.85 |
| 762 | Advanced | 104 | 0.09 | 112817 | 92.93 |
| 763 | Advanced | 388 | 0.32 | 113205 | 93.25 |
| 764 | Advanced | 465 | 0.38 | 113670 | 93.63 |
| 765 | Advanced | 731 | 0.60 | 114401 | 94.24 |
| 766 | Advanced | 215 | 0.18 | 114616 | 94.41 |
| 767 | Advanced | 170 | 0.14 | 114786 | 94.55 |
| 768 | Advanced | 382 | 0.31 | 115168 | 94.87 |
| 769 | Advanced | 502 | 0.41 | 115670 | 95.28 |
| 770 | Advanced | 379 | 0.31 | 116049 | 95.59 |
| 771 | Advanced | 259 | 0.21 | 116308 | 95.81 |
| 772 | Advanced | 147 | 0.12 | 116455 | 95.93 |
| 773 | Advanced | 209 | 0.17 | 116664 | 96.10 |
| 774 | Advanced | 380 | 0.31 | 117044 | 96.41 |
| 775 | Advanced | 236 | 0.19 | 117280 | 96.61 |
| 776 | Advanced | 349 | 0.29 | 117629 | 96.90 |
| 777 | Advanced | 56 | 0.05 | 117685 | 96.94 |
| 778 | Advanced | 165 | 0.14 | 117850 | 97.08 |
| 779 | Advanced | 308 | 0.25 | 118158 | 97.33 |
| 780 | Advanced | 275 | 0.23 | 118433 | 97.56 |
| 781 | Advanced | 126 | 0.10 | 118559 | 97.66 |
| 782 | Advanced | 165 | 0.14 | 118724 | 97.80 |
| 783 | Advanced | 90 | 0.07 | 118814 | 97.87 |
| 784 | Advanced | 192 | 0.16 | 119006 | 98.03 |
| 785 | Advanced | 154 | 0.13 | 119160 | 98.16 |
| 786 | Advanced | 212 | 0.17 | 119372 | 98.33 |
| 788 | Advanced | 204 | 0.17 | 119576 | 98.50 |
| 789 | Advanced | 69 | 0.06 | 119645 | 98.56 |
| 790 | Advanced | 128 | 0.11 | 119773 | 98.66 |
| 791 | Advanced | 67 | 0.06 | 119840 | 98.72 |
| 792 | Advanced | 176 | 0.14 | 120016 | 98.86 |
| 793 | Advanced | 34 | 0.03 | 120050 | 98.89 |
| 794 | Advanced | 55 | 0.05 | 120105 | 98.93 |
| 795 | Advanced | 114 | 0.09 | 120219 | 99.03 |
| 796 | Advanced | 48 | 0.04 | 120267 | 99.07 |
| 797 | Advanced | 132 | 0.11 | 120399 | 99.18 |
| 799 | Advanced | 74 | 0.06 | 120473 | 99.24 |
| 800 | Advanced | 84 | 0.07 | 120557 | 99.31 |
| 802 | Advanced | 90 | 0.07 | 120647 | 99.38 |
| 803 | Advanced | 44 | 0.04 | 120691 | 99.42 |
| 804 | Advanced | 58 | 0.05 | 120749 | 99.47 |
| 805 | Advanced | 21 | 0.02 | 120770 | 99.48 |
| 807 | Advanced | 43 | 0.04 | 120813 | 99.52 |
| 808 | Advanced | 57 | 0.05 | 120870 | 99.57 |
| 810 | Advanced | 28 | 0.02 | 120898 | 99.59 |
| 811 | Advanced | 85 | 0.07 | 120983 | 99.66 |
| 812 | Advanced | 43 | 0.04 | 121026 | 99.69 |
| 813 | Advanced | 16 | 0.01 | 121042 | 99.71 |
| 815 | Advanced | 21 | 0.02 | 121063 | 99.72 |
| 817 | Advanced | 41 | 0.03 | 121104 | 99.76 |
| 818 | Advanced | 13 | 0.01 | 121117 | 99.77 |
| 820 | Advanced | 50 | 0.04 | 121167 | 99.81 |
| 821 | Advanced | 34 | 0.03 | 121201 | 99.84 |
| 822 | Advanced | 23 | 0.02 | 121224 | 99.86 |
| 825 | Advanced | 10 | 0.01 | 121234 | 99.86 |
| 828 | Advanced | 26 | 0.02 | 121260 | 99.89 |
| 829 | Advanced | 4 | 0.00 | 121264 | 99.89 |
| 831 | Advanced | 8 | 0.01 | 121272 | 99.90 |
| 832 | Advanced | 31 | 0.03 | 121303 | 99.92 |
| 833 | Advanced | 5 | 0.00 | 121308 | 99.93 |
| 834 | Advanced | 12 | 0.01 | 121320 | 99.94 |
| 837 | Advanced | 4 | 0.00 | 121324 | 99.94 |
| 842 | Advanced | 13 | 0.01 | 121337 | 99.95 |
| 843 | Advanced | 6 | 0.00 | 121343 | 99.95 |
| 845 | Advanced | 7 | 0.01 | 121350 | 99.96 |
| 846 | Advanced | 9 | 0.01 | 121359 | 99.97 |
| 847 | Advanced | 4 | 0.00 | 121363 | 99.97 |
| 848 | Advanced | 3 | 0.00 | 121366 | 99.97 |
| 851 | Advanced | 32 | 0.03 | 121398 | 100.00 |

Table A6. Scale Score Frequency Distributions – Grade 7 ELA

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Scaled Score** | **Performance Level** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| 568 | Limited | 35 | 0.03 | 35 | 0.03 |
| 569 | Limited | 2 | 0.00 | 37 | 0.03 |
| 570 | Limited | 1 | 0.00 | 38 | 0.03 |
| 572 | Limited | 4 | 0.00 | 42 | 0.03 |
| 573 | Limited | 6 | 0.00 | 48 | 0.04 |
| 574 | Limited | 10 | 0.01 | 58 | 0.05 |
| 575 | Limited | 6 | 0.00 | 64 | 0.05 |
| 576 | Limited | 5 | 0.00 | 69 | 0.05 |
| 577 | Limited | 7 | 0.01 | 76 | 0.06 |
| 579 | Limited | 5 | 0.00 | 81 | 0.06 |
| 580 | Limited | 5 | 0.00 | 86 | 0.07 |
| 581 | Limited | 5 | 0.00 | 91 | 0.07 |
| 582 | Limited | 7 | 0.01 | 98 | 0.08 |
| 583 | Limited | 4 | 0.00 | 102 | 0.08 |
| 584 | Limited | 6 | 0.00 | 108 | 0.09 |
| 585 | Limited | 5 | 0.00 | 113 | 0.09 |
| 586 | Limited | 14 | 0.01 | 127 | 0.10 |
| 587 | Limited | 25 | 0.02 | 152 | 0.12 |
| 588 | Limited | 9 | 0.01 | 161 | 0.13 |
| 589 | Limited | 14 | 0.01 | 175 | 0.14 |
| 590 | Limited | 22 | 0.02 | 197 | 0.16 |
| 591 | Limited | 3 | 0.00 | 200 | 0.16 |
| 592 | Limited | 15 | 0.01 | 215 | 0.17 |
| 593 | Limited | 14 | 0.01 | 229 | 0.18 |
| 594 | Limited | 29 | 0.02 | 258 | 0.21 |
| 595 | Limited | 23 | 0.02 | 281 | 0.22 |
| 596 | Limited | 28 | 0.02 | 309 | 0.25 |
| 597 | Limited | 29 | 0.02 | 338 | 0.27 |
| 598 | Limited | 25 | 0.02 | 363 | 0.29 |
| 599 | Limited | 28 | 0.02 | 391 | 0.31 |
| 600 | Limited | 36 | 0.03 | 427 | 0.34 |
| 601 | Limited | 16 | 0.01 | 443 | 0.35 |
| 602 | Limited | 12 | 0.01 | 455 | 0.36 |
| 603 | Limited | 53 | 0.04 | 508 | 0.40 |
| 604 | Limited | 54 | 0.04 | 562 | 0.45 |
| 605 | Limited | 49 | 0.04 | 611 | 0.49 |
| 606 | Limited | 49 | 0.04 | 660 | 0.52 |
| 607 | Limited | 31 | 0.02 | 691 | 0.55 |
| 608 | Limited | 66 | 0.05 | 757 | 0.60 |
| 609 | Limited | 42 | 0.03 | 799 | 0.64 |
| 610 | Limited | 77 | 0.06 | 876 | 0.70 |
| 611 | Limited | 47 | 0.04 | 923 | 0.73 |
| 612 | Limited | 94 | 0.07 | 1017 | 0.81 |
| 613 | Limited | 86 | 0.07 | 1103 | 0.88 |
| 614 | Limited | 84 | 0.07 | 1187 | 0.94 |
| 615 | Limited | 84 | 0.07 | 1271 | 1.01 |
| 616 | Limited | 112 | 0.09 | 1383 | 1.10 |
| 617 | Limited | 81 | 0.06 | 1464 | 1.16 |
| 618 | Limited | 70 | 0.06 | 1534 | 1.22 |
| 619 | Limited | 104 | 0.08 | 1638 | 1.30 |
| 620 | Limited | 144 | 0.11 | 1782 | 1.42 |
| 621 | Limited | 101 | 0.08 | 1883 | 1.50 |
| 622 | Limited | 169 | 0.13 | 2052 | 1.63 |
| 623 | Limited | 152 | 0.12 | 2204 | 1.75 |
| 624 | Limited | 108 | 0.09 | 2312 | 1.84 |
| 625 | Limited | 126 | 0.10 | 2438 | 1.94 |
| 626 | Limited | 151 | 0.12 | 2589 | 2.06 |
| 627 | Limited | 202 | 0.16 | 2791 | 2.22 |
| 628 | Limited | 207 | 0.16 | 2998 | 2.38 |
| 629 | Limited | 203 | 0.16 | 3201 | 2.55 |
| 630 | Limited | 87 | 0.07 | 3288 | 2.61 |
| 631 | Limited | 231 | 0.18 | 3519 | 2.80 |
| 632 | Limited | 157 | 0.12 | 3676 | 2.92 |
| 633 | Limited | 343 | 0.27 | 4019 | 3.20 |
| 634 | Limited | 231 | 0.18 | 4250 | 3.38 |
| 635 | Limited | 180 | 0.14 | 4430 | 3.52 |
| 636 | Limited | 205 | 0.16 | 4635 | 3.69 |
| 637 | Limited | 203 | 0.16 | 4838 | 3.85 |
| 638 | Limited | 321 | 0.26 | 5159 | 4.10 |
| 639 | Limited | 354 | 0.28 | 5513 | 4.38 |
| 640 | Limited | 357 | 0.28 | 5870 | 4.67 |
| 641 | Limited | 205 | 0.16 | 6075 | 4.83 |
| 642 | Limited | 294 | 0.23 | 6369 | 5.06 |
| 643 | Limited | 357 | 0.28 | 6726 | 5.35 |
| 644 | Limited | 326 | 0.26 | 7052 | 5.61 |
| 645 | Limited | 457 | 0.36 | 7509 | 5.97 |
| 646 | Limited | 196 | 0.16 | 7705 | 6.13 |
| 647 | Limited | 460 | 0.37 | 8165 | 6.49 |
| 648 | Limited | 430 | 0.34 | 8595 | 6.83 |
| 649 | Limited | 480 | 0.38 | 9075 | 7.22 |
| 650 | Limited | 385 | 0.31 | 9460 | 7.52 |
| 651 | Limited | 420 | 0.33 | 9880 | 7.86 |
| 652 | Limited | 408 | 0.32 | 10288 | 8.18 |
| 653 | Limited | 577 | 0.46 | 10865 | 8.64 |
| 654 | Limited | 616 | 0.49 | 11481 | 9.13 |
| 655 | Limited | 347 | 0.28 | 11828 | 9.41 |
| 656 | Limited | 563 | 0.45 | 12391 | 9.85 |
| 657 | Limited | 484 | 0.38 | 12875 | 10.24 |
| 658 | Limited | 658 | 0.52 | 13533 | 10.76 |
| 659 | Limited | 412 | 0.33 | 13945 | 11.09 |
| 660 | Limited | 806 | 0.64 | 14751 | 11.73 |
| 661 | Limited | 273 | 0.22 | 15024 | 11.95 |
| 662 | Limited | 1007 | 0.80 | 16031 | 12.75 |
| 663 | Limited | 487 | 0.39 | 16518 | 13.13 |
| 664 | Limited | 866 | 0.69 | 17384 | 13.82 |
| 665 | Limited | 404 | 0.32 | 17788 | 14.14 |
| 666 | Limited | 990 | 0.79 | 18778 | 14.93 |
| 667 | Limited | 848 | 0.67 | 19626 | 15.61 |
| 668 | Limited | 506 | 0.40 | 20132 | 16.01 |
| 670 | Basic | 1563 | 1.24 | 21695 | 17.25 |
| 671 | Basic | 1138 | 0.90 | 22833 | 18.16 |
| 672 | Basic | 457 | 0.36 | 23290 | 18.52 |
| 673 | Basic | 919 | 0.73 | 24209 | 19.25 |
| 674 | Basic | 1039 | 0.83 | 25248 | 20.08 |
| 675 | Basic | 1007 | 0.80 | 26255 | 20.88 |
| 676 | Basic | 729 | 0.58 | 26984 | 21.46 |
| 677 | Basic | 861 | 0.68 | 27845 | 22.14 |
| 678 | Basic | 1187 | 0.94 | 29032 | 23.09 |
| 679 | Basic | 748 | 0.59 | 29780 | 23.68 |
| 680 | Basic | 925 | 0.74 | 30705 | 24.42 |
| 681 | Basic | 948 | 0.75 | 31653 | 25.17 |
| 682 | Basic | 1327 | 1.06 | 32980 | 26.23 |
| 683 | Basic | 583 | 0.46 | 33563 | 26.69 |
| 684 | Basic | 1186 | 0.94 | 34749 | 27.63 |
| 685 | Basic | 1314 | 1.04 | 36063 | 28.68 |
| 686 | Basic | 807 | 0.64 | 36870 | 29.32 |
| 687 | Basic | 1061 | 0.84 | 37931 | 30.16 |
| 688 | Basic | 1289 | 1.02 | 39220 | 31.19 |
| 689 | Basic | 976 | 0.78 | 40196 | 31.96 |
| 690 | Basic | 966 | 0.77 | 41162 | 32.73 |
| 691 | Basic | 1568 | 1.25 | 42730 | 33.98 |
| 692 | Basic | 1049 | 0.83 | 43779 | 34.81 |
| 693 | Basic | 927 | 0.74 | 44706 | 35.55 |
| 694 | Basic | 1691 | 1.34 | 46397 | 36.89 |
| 695 | Basic | 839 | 0.67 | 47236 | 37.56 |
| 696 | Basic | 961 | 0.76 | 48197 | 38.33 |
| 697 | Basic | 1478 | 1.18 | 49675 | 39.50 |
| 698 | Basic | 1347 | 1.07 | 51022 | 40.57 |
| 699 | Basic | 44 | 0.03 | 51066 | 40.61 |
| 700 | Proficient | 2284 | 1.82 | 53350 | 42.42 |
| 701 | Proficient | 1421 | 1.13 | 54771 | 43.55 |
| 702 | Proficient | 855 | 0.68 | 55626 | 44.23 |
| 703 | Proficient | 1742 | 1.39 | 57368 | 45.62 |
| 704 | Proficient | 1146 | 0.91 | 58514 | 46.53 |
| 705 | Proficient | 908 | 0.72 | 59422 | 47.25 |
| 706 | Proficient | 1706 | 1.36 | 61128 | 48.61 |
| 707 | Proficient | 1163 | 0.92 | 62291 | 49.53 |
| 708 | Proficient | 1005 | 0.80 | 63296 | 50.33 |
| 709 | Proficient | 1698 | 1.35 | 64994 | 51.68 |
| 710 | Proficient | 990 | 0.79 | 65984 | 52.47 |
| 711 | Proficient | 1230 | 0.98 | 67214 | 53.45 |
| 712 | Proficient | 1571 | 1.25 | 68785 | 54.70 |
| 713 | Proficient | 1071 | 0.85 | 69856 | 55.55 |
| 714 | Proficient | 1200 | 0.95 | 71056 | 56.50 |
| 715 | Proficient | 1537 | 1.22 | 72593 | 57.72 |
| 716 | Proficient | 1202 | 0.96 | 73795 | 58.68 |
| 717 | Proficient | 1189 | 0.95 | 74984 | 59.63 |
| 718 | Proficient | 1460 | 1.16 | 76444 | 60.79 |
| 719 | Proficient | 1333 | 1.06 | 77777 | 61.85 |
| 720 | Proficient | 993 | 0.79 | 78770 | 62.64 |
| 721 | Proficient | 1701 | 1.35 | 80471 | 63.99 |
| 722 | Proficient | 1046 | 0.83 | 81517 | 64.82 |
| 723 | Proficient | 1040 | 0.83 | 82557 | 65.65 |
| 725 | Accelerated | 2676 | 2.13 | 85233 | 67.78 |
| 726 | Accelerated | 929 | 0.74 | 86162 | 68.51 |
| 727 | Accelerated | 1585 | 1.26 | 87747 | 69.78 |
| 728 | Accelerated | 862 | 0.69 | 88609 | 70.46 |
| 729 | Accelerated | 1030 | 0.82 | 89639 | 71.28 |
| 730 | Accelerated | 1490 | 1.18 | 91129 | 72.46 |
| 731 | Accelerated | 895 | 0.71 | 92024 | 73.18 |
| 732 | Accelerated | 913 | 0.73 | 92937 | 73.90 |
| 733 | Accelerated | 1551 | 1.23 | 94488 | 75.14 |
| 734 | Accelerated | 857 | 0.68 | 95345 | 75.82 |
| 735 | Accelerated | 949 | 0.75 | 96294 | 76.57 |
| 736 | Accelerated | 1537 | 1.22 | 97831 | 77.79 |
| 737 | Accelerated | 832 | 0.66 | 98663 | 78.46 |
| 738 | Accelerated | 902 | 0.72 | 99565 | 79.17 |
| 739 | Accelerated | 1284 | 1.02 | 100849 | 80.19 |
| 740 | Accelerated | 842 | 0.67 | 101691 | 80.86 |
| 741 | Accelerated | 712 | 0.57 | 102403 | 81.43 |
| 742 | Accelerated | 1108 | 0.88 | 103511 | 82.31 |
| 743 | Accelerated | 1080 | 0.86 | 104591 | 83.17 |
| 744 | Accelerated | 518 | 0.41 | 105109 | 83.58 |
| 745 | Accelerated | 1076 | 0.86 | 106185 | 84.44 |
| 746 | Accelerated | 1059 | 0.84 | 107244 | 85.28 |
| 747 | Accelerated | 533 | 0.42 | 107777 | 85.70 |
| 749 | Advanced | 1793 | 1.43 | 109570 | 87.13 |
| 750 | Advanced | 728 | 0.58 | 110298 | 87.71 |
| 751 | Advanced | 326 | 0.26 | 110624 | 87.97 |
| 752 | Advanced | 770 | 0.61 | 111394 | 88.58 |
| 753 | Advanced | 878 | 0.70 | 112272 | 89.28 |
| 754 | Advanced | 644 | 0.51 | 112916 | 89.79 |
| 755 | Advanced | 329 | 0.26 | 113245 | 90.05 |
| 756 | Advanced | 684 | 0.54 | 113929 | 90.59 |
| 757 | Advanced | 662 | 0.53 | 114591 | 91.12 |
| 758 | Advanced | 660 | 0.52 | 115251 | 91.65 |
| 759 | Advanced | 399 | 0.32 | 115650 | 91.96 |
| 760 | Advanced | 362 | 0.29 | 116012 | 92.25 |
| 761 | Advanced | 713 | 0.57 | 116725 | 92.82 |
| 762 | Advanced | 477 | 0.38 | 117202 | 93.20 |
| 763 | Advanced | 370 | 0.29 | 117572 | 93.49 |
| 764 | Advanced | 218 | 0.17 | 117790 | 93.66 |
| 765 | Advanced | 633 | 0.50 | 118423 | 94.17 |
| 766 | Advanced | 561 | 0.45 | 118984 | 94.61 |
| 767 | Advanced | 181 | 0.14 | 119165 | 94.76 |
| 768 | Advanced | 284 | 0.23 | 119449 | 94.98 |
| 769 | Advanced | 419 | 0.33 | 119868 | 95.32 |
| 770 | Advanced | 341 | 0.27 | 120209 | 95.59 |
| 771 | Advanced | 384 | 0.31 | 120593 | 95.89 |
| 772 | Advanced | 230 | 0.18 | 120823 | 96.08 |
| 773 | Advanced | 147 | 0.12 | 120970 | 96.19 |
| 774 | Advanced | 364 | 0.29 | 121334 | 96.48 |
| 775 | Advanced | 354 | 0.28 | 121688 | 96.76 |
| 776 | Advanced | 202 | 0.16 | 121890 | 96.93 |
| 777 | Advanced | 146 | 0.12 | 122036 | 97.04 |
| 778 | Advanced | 179 | 0.14 | 122215 | 97.18 |
| 779 | Advanced | 233 | 0.19 | 122448 | 97.37 |
| 780 | Advanced | 264 | 0.21 | 122712 | 97.58 |
| 781 | Advanced | 136 | 0.11 | 122848 | 97.69 |
| 782 | Advanced | 171 | 0.14 | 123019 | 97.82 |
| 783 | Advanced | 112 | 0.09 | 123131 | 97.91 |
| 784 | Advanced | 211 | 0.17 | 123342 | 98.08 |
| 785 | Advanced | 145 | 0.12 | 123487 | 98.19 |
| 786 | Advanced | 153 | 0.12 | 123640 | 98.32 |
| 787 | Advanced | 116 | 0.09 | 123756 | 98.41 |
| 788 | Advanced | 130 | 0.10 | 123886 | 98.51 |
| 789 | Advanced | 82 | 0.07 | 123968 | 98.58 |
| 790 | Advanced | 95 | 0.08 | 124063 | 98.65 |
| 791 | Advanced | 85 | 0.07 | 124148 | 98.72 |
| 792 | Advanced | 122 | 0.10 | 124270 | 98.82 |
| 793 | Advanced | 92 | 0.07 | 124362 | 98.89 |
| 794 | Advanced | 78 | 0.06 | 124440 | 98.95 |
| 795 | Advanced | 55 | 0.04 | 124495 | 99.00 |
| 796 | Advanced | 72 | 0.06 | 124567 | 99.05 |
| 797 | Advanced | 99 | 0.08 | 124666 | 99.13 |
| 798 | Advanced | 96 | 0.08 | 124762 | 99.21 |
| 799 | Advanced | 45 | 0.04 | 124807 | 99.24 |
| 800 | Advanced | 89 | 0.07 | 124896 | 99.32 |
| 801 | Advanced | 42 | 0.03 | 124938 | 99.35 |
| 802 | Advanced | 48 | 0.04 | 124986 | 99.39 |
| 803 | Advanced | 70 | 0.06 | 125056 | 99.44 |
| 804 | Advanced | 44 | 0.03 | 125100 | 99.48 |
| 805 | Advanced | 24 | 0.02 | 125124 | 99.50 |
| 806 | Advanced | 24 | 0.02 | 125148 | 99.52 |
| 807 | Advanced | 22 | 0.02 | 125170 | 99.53 |
| 808 | Advanced | 53 | 0.04 | 125223 | 99.58 |
| 809 | Advanced | 45 | 0.04 | 125268 | 99.61 |
| 810 | Advanced | 22 | 0.02 | 125290 | 99.63 |
| 811 | Advanced | 41 | 0.03 | 125331 | 99.66 |
| 812 | Advanced | 17 | 0.01 | 125348 | 99.67 |
| 813 | Advanced | 32 | 0.03 | 125380 | 99.70 |
| 814 | Advanced | 19 | 0.02 | 125399 | 99.72 |
| 815 | Advanced | 21 | 0.02 | 125420 | 99.73 |
| 816 | Advanced | 9 | 0.01 | 125429 | 99.74 |
| 817 | Advanced | 26 | 0.02 | 125455 | 99.76 |
| 818 | Advanced | 19 | 0.02 | 125474 | 99.77 |
| 819 | Advanced | 20 | 0.02 | 125494 | 99.79 |
| 820 | Advanced | 12 | 0.01 | 125506 | 99.80 |
| 821 | Advanced | 7 | 0.01 | 125513 | 99.81 |
| 822 | Advanced | 14 | 0.01 | 125527 | 99.82 |
| 823 | Advanced | 12 | 0.01 | 125539 | 99.83 |
| 824 | Advanced | 14 | 0.01 | 125553 | 99.84 |
| 825 | Advanced | 13 | 0.01 | 125566 | 99.85 |
| 826 | Advanced | 6 | 0.00 | 125572 | 99.85 |
| 827 | Advanced | 13 | 0.01 | 125585 | 99.86 |
| 828 | Advanced | 2 | 0.00 | 125587 | 99.86 |
| 829 | Advanced | 20 | 0.02 | 125607 | 99.88 |
| 830 | Advanced | 6 | 0.00 | 125613 | 99.89 |
| 831 | Advanced | 14 | 0.01 | 125627 | 99.90 |
| 832 | Advanced | 8 | 0.01 | 125635 | 99.90 |
| 833 | Advanced | 122 | 0.10 | 125757 | 100.00 |

Table A7. Scale Score Frequency Distributions – Grade 8 ELA

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Scaled Score** | **Performance Level** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| 586 | Limited | 40 | 0.03 | 40 | 0.03 |
| 587 | Limited | 6 | 0.00 | 46 | 0.04 |
| 588 | Limited | 8 | 0.01 | 54 | 0.04 |
| 589 | Limited | 12 | 0.01 | 66 | 0.05 |
| 590 | Limited | 3 | 0.00 | 69 | 0.06 |
| 591 | Limited | 5 | 0.00 | 74 | 0.06 |
| 592 | Limited | 2 | 0.00 | 76 | 0.06 |
| 593 | Limited | 7 | 0.01 | 83 | 0.07 |
| 594 | Limited | 5 | 0.00 | 88 | 0.07 |
| 595 | Limited | 4 | 0.00 | 92 | 0.07 |
| 596 | Limited | 11 | 0.01 | 103 | 0.08 |
| 597 | Limited | 9 | 0.01 | 112 | 0.09 |
| 598 | Limited | 12 | 0.01 | 124 | 0.10 |
| 599 | Limited | 18 | 0.01 | 142 | 0.11 |
| 600 | Limited | 15 | 0.01 | 157 | 0.13 |
| 601 | Limited | 3 | 0.00 | 160 | 0.13 |
| 602 | Limited | 20 | 0.02 | 180 | 0.14 |
| 603 | Limited | 6 | 0.00 | 186 | 0.15 |
| 604 | Limited | 32 | 0.03 | 218 | 0.17 |
| 605 | Limited | 27 | 0.02 | 245 | 0.20 |
| 606 | Limited | 18 | 0.01 | 263 | 0.21 |
| 607 | Limited | 44 | 0.04 | 307 | 0.25 |
| 608 | Limited | 23 | 0.02 | 330 | 0.26 |
| 609 | Limited | 19 | 0.02 | 349 | 0.28 |
| 611 | Limited | 58 | 0.05 | 407 | 0.33 |
| 612 | Limited | 50 | 0.04 | 457 | 0.37 |
| 613 | Limited | 72 | 0.06 | 529 | 0.42 |
| 614 | Limited | 73 | 0.06 | 602 | 0.48 |
| 615 | Limited | 51 | 0.04 | 653 | 0.52 |
| 616 | Limited | 50 | 0.04 | 703 | 0.56 |
| 617 | Limited | 11 | 0.01 | 714 | 0.57 |
| 618 | Limited | 92 | 0.07 | 806 | 0.65 |
| 619 | Limited | 159 | 0.13 | 965 | 0.77 |
| 620 | Limited | 151 | 0.12 | 1116 | 0.89 |
| 621 | Limited | 65 | 0.05 | 1181 | 0.95 |
| 622 | Limited | 31 | 0.02 | 1212 | 0.97 |
| 623 | Limited | 71 | 0.06 | 1283 | 1.03 |
| 624 | Limited | 225 | 0.18 | 1508 | 1.21 |
| 625 | Limited | 130 | 0.10 | 1638 | 1.31 |
| 626 | Limited | 292 | 0.23 | 1930 | 1.55 |
| 628 | Limited | 124 | 0.10 | 2054 | 1.65 |
| 629 | Limited | 258 | 0.21 | 2312 | 1.85 |
| 630 | Limited | 236 | 0.19 | 2548 | 2.04 |
| 631 | Limited | 351 | 0.28 | 2899 | 2.32 |
| 632 | Limited | 146 | 0.12 | 3045 | 2.44 |
| 633 | Limited | 59 | 0.05 | 3104 | 2.49 |
| 634 | Limited | 440 | 0.35 | 3544 | 2.84 |
| 635 | Limited | 402 | 0.32 | 3946 | 3.16 |
| 636 | Limited | 293 | 0.23 | 4239 | 3.40 |
| 637 | Limited | 96 | 0.08 | 4335 | 3.47 |
| 638 | Limited | 274 | 0.22 | 4609 | 3.69 |
| 639 | Limited | 328 | 0.26 | 4937 | 3.96 |
| 640 | Limited | 563 | 0.45 | 5500 | 4.41 |
| 641 | Limited | 346 | 0.28 | 5846 | 4.68 |
| 642 | Limited | 304 | 0.24 | 6150 | 4.93 |
| 643 | Limited | 460 | 0.37 | 6610 | 5.30 |
| 644 | Limited | 531 | 0.43 | 7141 | 5.72 |
| 645 | Limited | 456 | 0.37 | 7597 | 6.09 |
| 646 | Limited | 206 | 0.17 | 7803 | 6.25 |
| 647 | Limited | 725 | 0.58 | 8528 | 6.83 |
| 648 | Limited | 546 | 0.44 | 9074 | 7.27 |
| 649 | Limited | 409 | 0.33 | 9483 | 7.60 |
| 650 | Limited | 509 | 0.41 | 9992 | 8.01 |
| 651 | Limited | 533 | 0.43 | 10525 | 8.43 |
| 652 | Limited | 713 | 0.57 | 11238 | 9.01 |
| 653 | Limited | 455 | 0.36 | 11693 | 9.37 |
| 654 | Limited | 784 | 0.63 | 12477 | 10.00 |
| 655 | Limited | 722 | 0.58 | 13199 | 10.58 |
| 656 | Limited | 563 | 0.45 | 13762 | 11.03 |
| 657 | Limited | 740 | 0.59 | 14502 | 11.62 |
| 658 | Limited | 773 | 0.62 | 15275 | 12.24 |
| 659 | Limited | 544 | 0.44 | 15819 | 12.68 |
| 660 | Limited | 896 | 0.72 | 16715 | 13.39 |
| 661 | Limited | 759 | 0.61 | 17474 | 14.00 |
| 662 | Limited | 572 | 0.46 | 18046 | 14.46 |
| 663 | Limited | 1126 | 0.90 | 19172 | 15.36 |
| 664 | Limited | 833 | 0.67 | 20005 | 16.03 |
| 665 | Limited | 635 | 0.51 | 20640 | 16.54 |
| 666 | Limited | 1564 | 1.25 | 22204 | 17.79 |
| 667 | Limited | 464 | 0.37 | 22668 | 18.16 |
| 668 | Limited | 729 | 0.58 | 23397 | 18.75 |
| 669 | Limited | 1740 | 1.39 | 25137 | 20.14 |
| 670 | Limited | 390 | 0.31 | 25527 | 20.45 |
| 671 | Limited | 694 | 0.56 | 26221 | 21.01 |
| 672 | Limited | 1742 | 1.40 | 27963 | 22.41 |
| 673 | Limited | 432 | 0.35 | 28395 | 22.75 |
| 674 | Limited | 1572 | 1.26 | 29967 | 24.01 |
| 675 | Limited | 960 | 0.77 | 30927 | 24.78 |
| 676 | Limited | 558 | 0.45 | 31485 | 25.23 |
| 677 | Limited | 2167 | 1.74 | 33652 | 26.97 |
| 678 | Limited | 503 | 0.40 | 34155 | 27.37 |
| 679 | Limited | 1087 | 0.87 | 35242 | 28.24 |
| 680 | Limited | 1644 | 1.32 | 36886 | 29.56 |
| 682 | Basic | 2651 | 2.12 | 39537 | 31.68 |
| 683 | Basic | 510 | 0.41 | 40047 | 32.09 |
| 684 | Basic | 1108 | 0.89 | 41155 | 32.98 |
| 685 | Basic | 1866 | 1.50 | 43021 | 34.47 |
| 686 | Basic | 867 | 0.69 | 43888 | 35.17 |
| 687 | Basic | 2262 | 1.81 | 46150 | 36.98 |
| 688 | Basic | 651 | 0.52 | 46801 | 37.50 |
| 689 | Basic | 1261 | 1.01 | 48062 | 38.51 |
| 690 | Basic | 1640 | 1.31 | 49702 | 39.83 |
| 691 | Basic | 1202 | 0.96 | 50904 | 40.79 |
| 692 | Basic | 2241 | 1.80 | 53145 | 42.59 |
| 693 | Basic | 662 | 0.53 | 53807 | 43.12 |
| 694 | Basic | 1407 | 1.13 | 55214 | 44.24 |
| 695 | Basic | 1475 | 1.18 | 56689 | 45.43 |
| 696 | Basic | 1436 | 1.15 | 58125 | 46.58 |
| 697 | Basic | 1978 | 1.58 | 60103 | 48.16 |
| 698 | Basic | 948 | 0.76 | 61051 | 48.92 |
| 699 | Basic | 1036 | 0.83 | 62087 | 49.75 |
| 700 | Proficient | 2084 | 1.67 | 64171 | 51.42 |
| 701 | Proficient | 1623 | 1.30 | 65794 | 52.72 |
| 702 | Proficient | 1668 | 1.34 | 67462 | 54.06 |
| 703 | Proficient | 1127 | 0.90 | 68589 | 54.96 |
| 704 | Proficient | 1775 | 1.42 | 70364 | 56.38 |
| 705 | Proficient | 1337 | 1.07 | 71701 | 57.45 |
| 706 | Proficient | 1625 | 1.30 | 73326 | 58.76 |
| 707 | Proficient | 1355 | 1.09 | 74681 | 59.84 |
| 708 | Proficient | 1625 | 1.30 | 76306 | 61.14 |
| 709 | Proficient | 1437 | 1.15 | 77743 | 62.30 |
| 710 | Proficient | 1580 | 1.27 | 79323 | 63.56 |
| 711 | Proficient | 1425 | 1.14 | 80748 | 64.70 |
| 712 | Proficient | 1332 | 1.07 | 82080 | 65.77 |
| 713 | Proficient | 1398 | 1.12 | 83478 | 66.89 |
| 714 | Proficient | 1839 | 1.47 | 85317 | 68.37 |
| 715 | Proficient | 1196 | 0.96 | 86513 | 69.32 |
| 716 | Proficient | 1408 | 1.13 | 87921 | 70.45 |
| 717 | Proficient | 1383 | 1.11 | 89304 | 71.56 |
| 718 | Proficient | 1171 | 0.94 | 90475 | 72.50 |
| 719 | Proficient | 1578 | 1.26 | 92053 | 73.76 |
| 720 | Proficient | 1138 | 0.91 | 93191 | 74.67 |
| 721 | Proficient | 1372 | 1.10 | 94563 | 75.77 |
| 722 | Proficient | 1374 | 1.10 | 95937 | 76.88 |
| 723 | Proficient | 1029 | 0.82 | 96966 | 77.70 |
| 724 | Proficient | 340 | 0.27 | 97306 | 77.97 |
| 725 | Accelerated | 2203 | 1.77 | 99509 | 79.74 |
| 726 | Accelerated | 1215 | 0.97 | 100724 | 80.71 |
| 727 | Accelerated | 1512 | 1.21 | 102236 | 81.92 |
| 728 | Accelerated | 530 | 0.42 | 102766 | 82.35 |
| 729 | Accelerated | 1372 | 1.10 | 104138 | 83.45 |
| 730 | Accelerated | 1144 | 0.92 | 105282 | 84.36 |
| 731 | Accelerated | 667 | 0.53 | 105949 | 84.90 |
| 732 | Accelerated | 1274 | 1.02 | 107223 | 85.92 |
| 733 | Accelerated | 1042 | 0.83 | 108265 | 86.75 |
| 734 | Accelerated | 698 | 0.56 | 108963 | 87.31 |
| 735 | Accelerated | 888 | 0.71 | 109851 | 88.02 |
| 736 | Accelerated | 881 | 0.71 | 110732 | 88.73 |
| 737 | Accelerated | 922 | 0.74 | 111654 | 89.47 |
| 738 | Accelerated | 716 | 0.57 | 112370 | 90.04 |
| 739 | Accelerated | 737 | 0.59 | 113107 | 90.63 |
| 740 | Accelerated | 507 | 0.41 | 113614 | 91.04 |
| 741 | Accelerated | 740 | 0.59 | 114354 | 91.63 |
| 742 | Accelerated | 654 | 0.52 | 115008 | 92.16 |
| 744 | Advanced | 1229 | 0.98 | 116237 | 93.14 |
| 745 | Advanced | 553 | 0.44 | 116790 | 93.58 |
| 746 | Advanced | 507 | 0.41 | 117297 | 93.99 |
| 747 | Advanced | 369 | 0.30 | 117666 | 94.29 |
| 748 | Advanced | 615 | 0.49 | 118281 | 94.78 |
| 749 | Advanced | 501 | 0.40 | 118782 | 95.18 |
| 750 | Advanced | 330 | 0.26 | 119112 | 95.45 |
| 751 | Advanced | 267 | 0.21 | 119379 | 95.66 |
| 752 | Advanced | 515 | 0.41 | 119894 | 96.07 |
| 753 | Advanced | 483 | 0.39 | 120377 | 96.46 |
| 754 | Advanced | 185 | 0.15 | 120562 | 96.61 |
| 755 | Advanced | 285 | 0.23 | 120847 | 96.84 |
| 756 | Advanced | 370 | 0.30 | 121217 | 97.13 |
| 757 | Advanced | 366 | 0.29 | 121583 | 97.43 |
| 758 | Advanced | 222 | 0.18 | 121805 | 97.60 |
| 759 | Advanced | 141 | 0.11 | 121946 | 97.72 |
| 760 | Advanced | 275 | 0.22 | 122221 | 97.94 |
| 761 | Advanced | 186 | 0.15 | 122407 | 98.09 |
| 762 | Advanced | 191 | 0.15 | 122598 | 98.24 |
| 763 | Advanced | 152 | 0.12 | 122750 | 98.36 |
| 764 | Advanced | 149 | 0.12 | 122899 | 98.48 |
| 765 | Advanced | 175 | 0.14 | 123074 | 98.62 |
| 766 | Advanced | 142 | 0.11 | 123216 | 98.73 |
| 767 | Advanced | 110 | 0.09 | 123326 | 98.82 |
| 768 | Advanced | 150 | 0.12 | 123476 | 98.94 |
| 769 | Advanced | 50 | 0.04 | 123526 | 98.98 |
| 770 | Advanced | 179 | 0.14 | 123705 | 99.13 |
| 771 | Advanced | 82 | 0.07 | 123787 | 99.19 |
| 772 | Advanced | 25 | 0.02 | 123812 | 99.21 |
| 773 | Advanced | 85 | 0.07 | 123897 | 99.28 |
| 774 | Advanced | 96 | 0.08 | 123993 | 99.36 |
| 775 | Advanced | 90 | 0.07 | 124083 | 99.43 |
| 776 | Advanced | 63 | 0.05 | 124146 | 99.48 |
| 777 | Advanced | 35 | 0.03 | 124181 | 99.51 |
| 778 | Advanced | 21 | 0.02 | 124202 | 99.52 |
| 779 | Advanced | 51 | 0.04 | 124253 | 99.56 |
| 780 | Advanced | 55 | 0.04 | 124308 | 99.61 |
| 781 | Advanced | 66 | 0.05 | 124374 | 99.66 |
| 782 | Advanced | 56 | 0.04 | 124430 | 99.71 |
| 783 | Advanced | 23 | 0.02 | 124453 | 99.73 |
| 784 | Advanced | 6 | 0.00 | 124459 | 99.73 |
| 785 | Advanced | 17 | 0.01 | 124476 | 99.74 |
| 786 | Advanced | 17 | 0.01 | 124493 | 99.76 |
| 787 | Advanced | 38 | 0.03 | 124531 | 99.79 |
| 788 | Advanced | 27 | 0.02 | 124558 | 99.81 |
| 789 | Advanced | 36 | 0.03 | 124594 | 99.84 |
| 790 | Advanced | 27 | 0.02 | 124621 | 99.86 |
| 791 | Advanced | 14 | 0.01 | 124635 | 99.87 |
| 793 | Advanced | 7 | 0.01 | 124642 | 99.88 |
| 794 | Advanced | 10 | 0.01 | 124652 | 99.88 |
| 795 | Advanced | 20 | 0.02 | 124672 | 99.90 |
| 796 | Advanced | 9 | 0.01 | 124681 | 99.91 |
| 797 | Advanced | 18 | 0.01 | 124699 | 99.92 |
| 798 | Advanced | 11 | 0.01 | 124710 | 99.93 |
| 799 | Advanced | 8 | 0.01 | 124718 | 99.94 |
| 800 | Advanced | 3 | 0.00 | 124721 | 99.94 |
| 803 | Advanced | 3 | 0.00 | 124724 | 99.94 |
| 804 | Advanced | 7 | 0.01 | 124731 | 99.95 |
| 805 | Advanced | 65 | 0.05 | 124796 | 100.00 |

Table A8. Scale Score Frequency Distributions – High School 1 ELA

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Scaled Score** | **Performance Level** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| 606 | Limited | 74 | 0.05 | 74 | 0.05 |
| 607 | Limited | 11 | 0.01 | 85 | 0.06 |
| 608 | Limited | 5 | 0.00 | 90 | 0.06 |
| 609 | Limited | 3 | 0.00 | 93 | 0.06 |
| 610 | Limited | 9 | 0.01 | 102 | 0.07 |
| 611 | Limited | 5 | 0.00 | 107 | 0.07 |
| 615 | Limited | 4 | 0.00 | 111 | 0.08 |
| 616 | Limited | 6 | 0.00 | 117 | 0.08 |
| 617 | Limited | 15 | 0.01 | 132 | 0.09 |
| 618 | Limited | 12 | 0.01 | 144 | 0.10 |
| 619 | Limited | 27 | 0.02 | 171 | 0.12 |
| 620 | Limited | 16 | 0.01 | 187 | 0.13 |
| 621 | Limited | 14 | 0.01 | 201 | 0.14 |
| 622 | Limited | 13 | 0.01 | 214 | 0.14 |
| 623 | Limited | 24 | 0.02 | 238 | 0.16 |
| 624 | Limited | 13 | 0.01 | 251 | 0.17 |
| 625 | Limited | 14 | 0.01 | 265 | 0.18 |
| 626 | Limited | 22 | 0.01 | 287 | 0.19 |
| 627 | Limited | 21 | 0.01 | 308 | 0.21 |
| 628 | Limited | 44 | 0.03 | 352 | 0.24 |
| 629 | Limited | 19 | 0.01 | 371 | 0.25 |
| 630 | Limited | 27 | 0.02 | 398 | 0.27 |
| 631 | Limited | 33 | 0.02 | 431 | 0.29 |
| 632 | Limited | 52 | 0.04 | 483 | 0.33 |
| 633 | Limited | 40 | 0.03 | 523 | 0.35 |
| 634 | Limited | 60 | 0.04 | 583 | 0.39 |
| 635 | Limited | 90 | 0.06 | 673 | 0.46 |
| 636 | Limited | 67 | 0.05 | 740 | 0.50 |
| 637 | Limited | 53 | 0.04 | 793 | 0.54 |
| 638 | Limited | 100 | 0.07 | 893 | 0.60 |
| 639 | Limited | 99 | 0.07 | 992 | 0.67 |
| 640 | Limited | 54 | 0.04 | 1046 | 0.71 |
| 641 | Limited | 162 | 0.11 | 1208 | 0.82 |
| 642 | Limited | 120 | 0.08 | 1328 | 0.90 |
| 643 | Limited | 134 | 0.09 | 1462 | 0.99 |
| 644 | Limited | 173 | 0.12 | 1635 | 1.11 |
| 645 | Limited | 131 | 0.09 | 1766 | 1.19 |
| 646 | Limited | 245 | 0.17 | 2011 | 1.36 |
| 647 | Limited | 181 | 0.12 | 2192 | 1.48 |
| 648 | Limited | 201 | 0.14 | 2393 | 1.62 |
| 649 | Limited | 220 | 0.15 | 2613 | 1.77 |
| 650 | Limited | 287 | 0.19 | 2900 | 1.96 |
| 651 | Limited | 355 | 0.24 | 3255 | 2.20 |
| 652 | Limited | 316 | 0.21 | 3571 | 2.41 |
| 653 | Limited | 297 | 0.20 | 3868 | 2.62 |
| 654 | Limited | 323 | 0.22 | 4191 | 2.83 |
| 655 | Limited | 435 | 0.29 | 4626 | 3.13 |
| 656 | Limited | 361 | 0.24 | 4987 | 3.37 |
| 657 | Limited | 328 | 0.22 | 5315 | 3.59 |
| 658 | Limited | 468 | 0.32 | 5783 | 3.91 |
| 659 | Limited | 603 | 0.41 | 6386 | 4.32 |
| 660 | Limited | 444 | 0.30 | 6830 | 4.62 |
| 661 | Limited | 433 | 0.29 | 7263 | 4.91 |
| 662 | Limited | 783 | 0.53 | 8046 | 5.44 |
| 663 | Limited | 646 | 0.44 | 8692 | 5.88 |
| 664 | Limited | 465 | 0.31 | 9157 | 6.19 |
| 665 | Limited | 831 | 0.56 | 9988 | 6.75 |
| 666 | Limited | 749 | 0.51 | 10737 | 7.26 |
| 667 | Limited | 564 | 0.38 | 11301 | 7.64 |
| 668 | Limited | 894 | 0.60 | 12195 | 8.24 |
| 669 | Limited | 814 | 0.55 | 13009 | 8.80 |
| 670 | Limited | 644 | 0.44 | 13653 | 9.23 |
| 671 | Limited | 1012 | 0.68 | 14665 | 9.91 |
| 672 | Limited | 975 | 0.66 | 15640 | 10.57 |
| 673 | Limited | 728 | 0.49 | 16368 | 11.07 |
| 674 | Limited | 1265 | 0.86 | 17633 | 11.92 |
| 675 | Limited | 829 | 0.56 | 18462 | 12.48 |
| 676 | Limited | 1096 | 0.74 | 19558 | 13.22 |
| 677 | Limited | 1388 | 0.94 | 20946 | 14.16 |
| 678 | Limited | 900 | 0.61 | 21846 | 14.77 |
| 679 | Limited | 1393 | 0.94 | 23239 | 15.71 |
| 680 | Limited | 1163 | 0.79 | 24402 | 16.50 |
| 681 | Limited | 1132 | 0.77 | 25534 | 17.26 |
| 682 | Limited | 849 | 0.57 | 26383 | 17.84 |
| 683 | Basic | 1659 | 1.12 | 28042 | 18.96 |
| 684 | Basic | 1533 | 1.04 | 29575 | 20.00 |
| 685 | Basic | 1403 | 0.95 | 30978 | 20.94 |
| 686 | Basic | 1567 | 1.06 | 32545 | 22.00 |
| 687 | Basic | 1471 | 0.99 | 34016 | 23.00 |
| 688 | Basic | 1481 | 1.00 | 35497 | 24.00 |
| 689 | Basic | 1609 | 1.09 | 37106 | 25.09 |
| 690 | Basic | 1367 | 0.92 | 38473 | 26.01 |
| 691 | Basic | 1810 | 1.22 | 40283 | 27.23 |
| 692 | Basic | 1488 | 1.01 | 41771 | 28.24 |
| 693 | Basic | 1962 | 1.33 | 43733 | 29.57 |
| 694 | Basic | 1706 | 1.15 | 45439 | 30.72 |
| 695 | Basic | 1873 | 1.27 | 47312 | 31.99 |
| 696 | Basic | 1733 | 1.17 | 49045 | 33.16 |
| 697 | Basic | 1870 | 1.26 | 50915 | 34.42 |
| 698 | Basic | 1805 | 1.22 | 52720 | 35.64 |
| 699 | Basic | 1704 | 1.15 | 54424 | 36.80 |
| 700 | Proficient | 2074 | 1.40 | 56498 | 38.20 |
| 701 | Proficient | 1796 | 1.21 | 58294 | 39.41 |
| 702 | Proficient | 2004 | 1.35 | 60298 | 40.77 |
| 703 | Proficient | 1828 | 1.24 | 62126 | 42.00 |
| 704 | Proficient | 2199 | 1.49 | 64325 | 43.49 |
| 705 | Proficient | 1792 | 1.21 | 66117 | 44.70 |
| 706 | Proficient | 2337 | 1.58 | 68454 | 46.28 |
| 707 | Proficient | 1817 | 1.23 | 70271 | 47.51 |
| 708 | Proficient | 2333 | 1.58 | 72604 | 49.09 |
| 709 | Proficient | 1958 | 1.32 | 74562 | 50.41 |
| 710 | Proficient | 2266 | 1.53 | 76828 | 51.94 |
| 711 | Proficient | 1808 | 1.22 | 78636 | 53.16 |
| 712 | Proficient | 2311 | 1.56 | 80947 | 54.73 |
| 713 | Proficient | 2050 | 1.39 | 82997 | 56.11 |
| 714 | Proficient | 2298 | 1.55 | 85295 | 57.67 |
| 715 | Proficient | 1980 | 1.34 | 87275 | 59.01 |
| 716 | Proficient | 2359 | 1.59 | 89634 | 60.60 |
| 717 | Proficient | 2179 | 1.47 | 91813 | 62.07 |
| 718 | Proficient | 1976 | 1.34 | 93789 | 63.41 |
| 719 | Proficient | 2206 | 1.49 | 95995 | 64.90 |
| 720 | Proficient | 1906 | 1.29 | 97901 | 66.19 |
| 721 | Proficient | 2327 | 1.57 | 100228 | 67.76 |
| 722 | Proficient | 1824 | 1.23 | 102052 | 69.00 |
| 723 | Proficient | 2158 | 1.46 | 104210 | 70.46 |
| 724 | Proficient | 1449 | 0.98 | 105659 | 71.43 |
| 725 | Accelerated | 2373 | 1.60 | 108032 | 73.04 |
| 726 | Accelerated | 1929 | 1.30 | 109961 | 74.34 |
| 727 | Accelerated | 1841 | 1.24 | 111802 | 75.59 |
| 728 | Accelerated | 1759 | 1.19 | 113561 | 76.78 |
| 729 | Accelerated | 1718 | 1.16 | 115279 | 77.94 |
| 730 | Accelerated | 1858 | 1.26 | 117137 | 79.19 |
| 731 | Accelerated | 1598 | 1.08 | 118735 | 80.28 |
| 732 | Accelerated | 1587 | 1.07 | 120322 | 81.35 |
| 733 | Accelerated | 1678 | 1.13 | 122000 | 82.48 |
| 734 | Accelerated | 1578 | 1.07 | 123578 | 83.55 |
| 735 | Accelerated | 1624 | 1.10 | 125202 | 84.65 |
| 736 | Accelerated | 1365 | 0.92 | 126567 | 85.57 |
| 737 | Accelerated | 1323 | 0.89 | 127890 | 86.46 |
| 738 | Accelerated | 478 | 0.32 | 128368 | 86.79 |
| 739 | Advanced | 2116 | 1.43 | 130484 | 88.22 |
| 740 | Advanced | 1312 | 0.89 | 131796 | 89.11 |
| 741 | Advanced | 1075 | 0.73 | 132871 | 89.83 |
| 742 | Advanced | 1098 | 0.74 | 133969 | 90.57 |
| 743 | Advanced | 1056 | 0.71 | 135025 | 91.29 |
| 744 | Advanced | 896 | 0.61 | 135921 | 91.89 |
| 745 | Advanced | 909 | 0.61 | 136830 | 92.51 |
| 746 | Advanced | 757 | 0.51 | 137587 | 93.02 |
| 747 | Advanced | 832 | 0.56 | 138419 | 93.58 |
| 748 | Advanced | 692 | 0.47 | 139111 | 94.05 |
| 749 | Advanced | 657 | 0.44 | 139768 | 94.50 |
| 750 | Advanced | 670 | 0.45 | 140438 | 94.95 |
| 751 | Advanced | 733 | 0.50 | 141171 | 95.44 |
| 752 | Advanced | 528 | 0.36 | 141699 | 95.80 |
| 753 | Advanced | 555 | 0.38 | 142254 | 96.18 |
| 754 | Advanced | 505 | 0.34 | 142759 | 96.52 |
| 755 | Advanced | 440 | 0.30 | 143199 | 96.81 |
| 756 | Advanced | 386 | 0.26 | 143585 | 97.08 |
| 757 | Advanced | 359 | 0.24 | 143944 | 97.32 |
| 758 | Advanced | 436 | 0.29 | 144380 | 97.61 |
| 759 | Advanced | 320 | 0.22 | 144700 | 97.83 |
| 760 | Advanced | 214 | 0.14 | 144914 | 97.97 |
| 761 | Advanced | 275 | 0.19 | 145189 | 98.16 |
| 762 | Advanced | 316 | 0.21 | 145505 | 98.37 |
| 763 | Advanced | 213 | 0.14 | 145718 | 98.52 |
| 764 | Advanced | 158 | 0.11 | 145876 | 98.62 |
| 765 | Advanced | 155 | 0.10 | 146031 | 98.73 |
| 766 | Advanced | 184 | 0.12 | 146215 | 98.85 |
| 767 | Advanced | 184 | 0.12 | 146399 | 98.98 |
| 768 | Advanced | 138 | 0.09 | 146537 | 99.07 |
| 769 | Advanced | 102 | 0.07 | 146639 | 99.14 |
| 770 | Advanced | 111 | 0.08 | 146750 | 99.22 |
| 771 | Advanced | 127 | 0.09 | 146877 | 99.30 |
| 772 | Advanced | 109 | 0.07 | 146986 | 99.38 |
| 773 | Advanced | 93 | 0.06 | 147079 | 99.44 |
| 774 | Advanced | 49 | 0.03 | 147128 | 99.47 |
| 775 | Advanced | 75 | 0.05 | 147203 | 99.52 |
| 776 | Advanced | 88 | 0.06 | 147291 | 99.58 |
| 777 | Advanced | 71 | 0.05 | 147362 | 99.63 |
| 778 | Advanced | 75 | 0.05 | 147437 | 99.68 |
| 779 | Advanced | 37 | 0.03 | 147474 | 99.71 |
| 780 | Advanced | 33 | 0.02 | 147507 | 99.73 |
| 781 | Advanced | 36 | 0.02 | 147543 | 99.75 |
| 782 | Advanced | 44 | 0.03 | 147587 | 99.78 |
| 783 | Advanced | 26 | 0.02 | 147613 | 99.80 |
| 784 | Advanced | 26 | 0.02 | 147639 | 99.82 |
| 785 | Advanced | 33 | 0.02 | 147672 | 99.84 |
| 786 | Advanced | 16 | 0.01 | 147688 | 99.85 |
| 787 | Advanced | 20 | 0.01 | 147708 | 99.86 |
| 788 | Advanced | 20 | 0.01 | 147728 | 99.88 |
| 789 | Advanced | 31 | 0.02 | 147759 | 99.90 |
| 790 | Advanced | 7 | 0.00 | 147766 | 99.90 |
| 791 | Advanced | 11 | 0.01 | 147777 | 99.91 |
| 792 | Advanced | 22 | 0.01 | 147799 | 99.92 |
| 793 | Advanced | 12 | 0.01 | 147811 | 99.93 |
| 794 | Advanced | 8 | 0.01 | 147819 | 99.94 |
| 795 | Advanced | 11 | 0.01 | 147830 | 99.95 |
| 796 | Advanced | 9 | 0.01 | 147839 | 99.95 |
| 797 | Advanced | 9 | 0.01 | 147848 | 99.96 |
| 798 | Advanced | 4 | 0.00 | 147852 | 99.96 |
| 799 | Advanced | 4 | 0.00 | 147856 | 99.96 |
| 800 | Advanced | 54 | 0.04 | 147910 | 100.00 |

Table A9. Scale Score Frequency Distributions – High School 2 ELA

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Scaled Score** | **Performance Level** | **Frequency** | **Percent** | **Cumulative Frequency** | **Cumulative Percent** |
| 597 | Limited | 39 | 0.03 | 39 | 0.03 |
| 598 | Limited | 7 | 0.01 | 46 | 0.03 |
| 599 | Limited | 8 | 0.01 | 54 | 0.04 |
| 600 | Limited | 12 | 0.01 | 66 | 0.05 |
| 601 | Limited | 13 | 0.01 | 79 | 0.06 |
| 602 | Limited | 15 | 0.01 | 94 | 0.07 |
| 603 | Limited | 4 | 0.00 | 98 | 0.07 |
| 604 | Limited | 1 | 0.00 | 99 | 0.07 |
| 605 | Limited | 1 | 0.00 | 100 | 0.07 |
| 607 | Limited | 2 | 0.00 | 102 | 0.07 |
| 608 | Limited | 6 | 0.00 | 108 | 0.08 |
| 609 | Limited | 6 | 0.00 | 114 | 0.08 |
| 610 | Limited | 8 | 0.01 | 122 | 0.09 |
| 611 | Limited | 10 | 0.01 | 132 | 0.10 |
| 612 | Limited | 21 | 0.02 | 153 | 0.11 |
| 613 | Limited | 24 | 0.02 | 177 | 0.13 |
| 614 | Limited | 25 | 0.02 | 202 | 0.15 |
| 615 | Limited | 36 | 0.03 | 238 | 0.17 |
| 616 | Limited | 28 | 0.02 | 266 | 0.19 |
| 617 | Limited | 9 | 0.01 | 275 | 0.20 |
| 618 | Limited | 9 | 0.01 | 284 | 0.21 |
| 619 | Limited | 18 | 0.01 | 302 | 0.22 |
| 620 | Limited | 21 | 0.02 | 323 | 0.24 |
| 621 | Limited | 40 | 0.03 | 363 | 0.27 |
| 622 | Limited | 37 | 0.03 | 400 | 0.29 |
| 623 | Limited | 47 | 0.03 | 447 | 0.33 |
| 624 | Limited | 66 | 0.05 | 513 | 0.37 |
| 625 | Limited | 75 | 0.05 | 588 | 0.43 |
| 626 | Limited | 36 | 0.03 | 624 | 0.46 |
| 627 | Limited | 58 | 0.04 | 682 | 0.50 |
| 628 | Limited | 37 | 0.03 | 719 | 0.53 |
| 629 | Limited | 71 | 0.05 | 790 | 0.58 |
| 630 | Limited | 84 | 0.06 | 874 | 0.64 |
| 631 | Limited | 113 | 0.08 | 987 | 0.72 |
| 632 | Limited | 143 | 0.10 | 1130 | 0.83 |
| 633 | Limited | 115 | 0.08 | 1245 | 0.91 |
| 634 | Limited | 79 | 0.06 | 1324 | 0.97 |
| 635 | Limited | 87 | 0.06 | 1411 | 1.03 |
| 636 | Limited | 126 | 0.09 | 1537 | 1.12 |
| 637 | Limited | 137 | 0.10 | 1674 | 1.22 |
| 638 | Limited | 177 | 0.13 | 1851 | 1.35 |
| 639 | Limited | 209 | 0.15 | 2060 | 1.51 |
| 640 | Limited | 147 | 0.11 | 2207 | 1.61 |
| 641 | Limited | 175 | 0.13 | 2382 | 1.74 |
| 642 | Limited | 195 | 0.14 | 2577 | 1.88 |
| 643 | Limited | 252 | 0.18 | 2829 | 2.07 |
| 644 | Limited | 384 | 0.28 | 3213 | 2.35 |
| 645 | Limited | 210 | 0.15 | 3423 | 2.50 |
| 646 | Limited | 326 | 0.24 | 3749 | 2.74 |
| 647 | Limited | 218 | 0.16 | 3967 | 2.90 |
| 648 | Limited | 380 | 0.28 | 4347 | 3.18 |
| 649 | Limited | 458 | 0.33 | 4805 | 3.51 |
| 650 | Limited | 290 | 0.21 | 5095 | 3.72 |
| 651 | Limited | 369 | 0.27 | 5464 | 3.99 |
| 652 | Limited | 378 | 0.28 | 5842 | 4.27 |
| 653 | Limited | 621 | 0.45 | 6463 | 4.72 |
| 654 | Limited | 415 | 0.30 | 6878 | 5.03 |
| 655 | Limited | 505 | 0.37 | 7383 | 5.39 |
| 656 | Limited | 527 | 0.39 | 7910 | 5.78 |
| 657 | Limited | 664 | 0.49 | 8574 | 6.26 |
| 658 | Limited | 534 | 0.39 | 9108 | 6.65 |
| 659 | Limited | 513 | 0.37 | 9621 | 7.03 |
| 660 | Limited | 732 | 0.53 | 10353 | 7.56 |
| 661 | Limited | 614 | 0.45 | 10967 | 8.01 |
| 662 | Limited | 680 | 0.50 | 11647 | 8.51 |
| 663 | Limited | 568 | 0.41 | 12215 | 8.92 |
| 664 | Limited | 792 | 0.58 | 13007 | 9.50 |
| 665 | Limited | 740 | 0.54 | 13747 | 10.04 |
| 666 | Limited | 651 | 0.48 | 14398 | 10.52 |
| 667 | Limited | 848 | 0.62 | 15246 | 11.14 |
| 668 | Limited | 784 | 0.57 | 16030 | 11.71 |
| 669 | Limited | 770 | 0.56 | 16800 | 12.27 |
| 670 | Limited | 943 | 0.69 | 17743 | 12.96 |
| 671 | Limited | 864 | 0.63 | 18607 | 13.59 |
| 672 | Limited | 824 | 0.60 | 19431 | 14.20 |
| 673 | Limited | 922 | 0.67 | 20353 | 14.87 |
| 674 | Limited | 980 | 0.72 | 21333 | 15.59 |
| 675 | Limited | 952 | 0.70 | 22285 | 16.28 |
| 676 | Limited | 1076 | 0.79 | 23361 | 17.07 |
| 677 | Limited | 1000 | 0.73 | 24361 | 17.80 |
| 678 | Limited | 527 | 0.39 | 24888 | 18.18 |
| 679 | Basic | 1719 | 1.26 | 26607 | 19.44 |
| 680 | Basic | 1128 | 0.82 | 27735 | 20.26 |
| 681 | Basic | 1181 | 0.86 | 28916 | 21.13 |
| 682 | Basic | 1178 | 0.86 | 30094 | 21.99 |
| 683 | Basic | 1256 | 0.92 | 31350 | 22.90 |
| 684 | Basic | 1360 | 0.99 | 32710 | 23.90 |
| 685 | Basic | 1333 | 0.97 | 34043 | 24.87 |
| 686 | Basic | 1305 | 0.95 | 35348 | 25.83 |
| 687 | Basic | 1440 | 1.05 | 36788 | 26.88 |
| 688 | Basic | 1359 | 0.99 | 38147 | 27.87 |
| 689 | Basic | 1532 | 1.12 | 39679 | 28.99 |
| 690 | Basic | 1432 | 1.05 | 41111 | 30.04 |
| 691 | Basic | 1468 | 1.07 | 42579 | 31.11 |
| 692 | Basic | 1647 | 1.20 | 44226 | 32.31 |
| 693 | Basic | 1448 | 1.06 | 45674 | 33.37 |
| 694 | Basic | 1632 | 1.19 | 47306 | 34.56 |
| 695 | Basic | 1534 | 1.12 | 48840 | 35.68 |
| 696 | Basic | 1765 | 1.29 | 50605 | 36.97 |
| 697 | Basic | 1535 | 1.12 | 52140 | 38.09 |
| 698 | Basic | 1891 | 1.38 | 54031 | 39.47 |
| 699 | Basic | 1404 | 1.03 | 55435 | 40.50 |
| 700 | Proficient | 1979 | 1.45 | 57414 | 41.95 |
| 701 | Proficient | 1623 | 1.19 | 59037 | 43.13 |
| 702 | Proficient | 1798 | 1.31 | 60835 | 44.45 |
| 703 | Proficient | 1782 | 1.30 | 62617 | 45.75 |
| 704 | Proficient | 1796 | 1.31 | 64413 | 47.06 |
| 705 | Proficient | 1821 | 1.33 | 66234 | 48.39 |
| 706 | Proficient | 1767 | 1.29 | 68001 | 49.68 |
| 707 | Proficient | 1923 | 1.40 | 69924 | 51.09 |
| 708 | Proficient | 1756 | 1.28 | 71680 | 52.37 |
| 709 | Proficient | 1919 | 1.40 | 73599 | 53.77 |
| 710 | Proficient | 1670 | 1.22 | 75269 | 54.99 |
| 711 | Proficient | 1874 | 1.37 | 77143 | 56.36 |
| 712 | Proficient | 1787 | 1.31 | 78930 | 57.67 |
| 713 | Proficient | 1995 | 1.46 | 80925 | 59.12 |
| 714 | Proficient | 1739 | 1.27 | 82664 | 60.39 |
| 715 | Proficient | 1808 | 1.32 | 84472 | 61.71 |
| 716 | Proficient | 1901 | 1.39 | 86373 | 63.10 |
| 717 | Proficient | 1825 | 1.33 | 88198 | 64.44 |
| 718 | Proficient | 1747 | 1.28 | 89945 | 65.71 |
| 719 | Proficient | 1774 | 1.30 | 91719 | 67.01 |
| 720 | Proficient | 1704 | 1.24 | 93423 | 68.25 |
| 721 | Proficient | 1792 | 1.31 | 95215 | 69.56 |
| 722 | Proficient | 1738 | 1.27 | 96953 | 70.83 |
| 723 | Proficient | 1656 | 1.21 | 98609 | 72.04 |
| 724 | Proficient | 1062 | 0.78 | 99671 | 72.82 |
| 725 | Accelerated | 2302 | 1.68 | 101973 | 74.50 |
| 726 | Accelerated | 1420 | 1.04 | 103393 | 75.54 |
| 727 | Accelerated | 1664 | 1.22 | 105057 | 76.75 |
| 728 | Accelerated | 1486 | 1.09 | 106543 | 77.84 |
| 729 | Accelerated | 1401 | 1.02 | 107944 | 78.86 |
| 730 | Accelerated | 1483 | 1.08 | 109427 | 79.95 |
| 731 | Accelerated | 1177 | 0.86 | 110604 | 80.81 |
| 732 | Accelerated | 1507 | 1.10 | 112111 | 81.91 |
| 733 | Accelerated | 1262 | 0.92 | 113373 | 82.83 |
| 734 | Accelerated | 1222 | 0.89 | 114595 | 83.72 |
| 735 | Accelerated | 1339 | 0.98 | 115934 | 84.70 |
| 736 | Accelerated | 940 | 0.69 | 116874 | 85.39 |
| 737 | Accelerated | 1180 | 0.86 | 118054 | 86.25 |
| 738 | Accelerated | 1139 | 0.83 | 119193 | 87.08 |
| 739 | Accelerated | 805 | 0.59 | 119998 | 87.67 |
| 740 | Accelerated | 1303 | 0.95 | 121301 | 88.62 |
| 741 | Accelerated | 74 | 0.05 | 121375 | 88.68 |
| 742 | Advanced | 1540 | 1.13 | 122915 | 89.80 |
| 743 | Advanced | 981 | 0.72 | 123896 | 90.52 |
| 744 | Advanced | 660 | 0.48 | 124556 | 91.00 |
| 745 | Advanced | 781 | 0.57 | 125337 | 91.57 |
| 746 | Advanced | 857 | 0.63 | 126194 | 92.20 |
| 747 | Advanced | 615 | 0.45 | 126809 | 92.65 |
| 748 | Advanced | 612 | 0.45 | 127421 | 93.09 |
| 749 | Advanced | 743 | 0.54 | 128164 | 93.64 |
| 750 | Advanced | 493 | 0.36 | 128657 | 94.00 |
| 751 | Advanced | 505 | 0.37 | 129162 | 94.36 |
| 752 | Advanced | 568 | 0.41 | 129730 | 94.78 |
| 753 | Advanced | 468 | 0.34 | 130198 | 95.12 |
| 754 | Advanced | 451 | 0.33 | 130649 | 95.45 |
| 755 | Advanced | 421 | 0.31 | 131070 | 95.76 |
| 756 | Advanced | 441 | 0.32 | 131511 | 96.08 |
| 757 | Advanced | 340 | 0.25 | 131851 | 96.33 |
| 758 | Advanced | 323 | 0.24 | 132174 | 96.57 |
| 759 | Advanced | 368 | 0.27 | 132542 | 96.83 |
| 760 | Advanced | 335 | 0.24 | 132877 | 97.08 |
| 761 | Advanced | 261 | 0.19 | 133138 | 97.27 |
| 762 | Advanced | 267 | 0.20 | 133405 | 97.46 |
| 763 | Advanced | 255 | 0.19 | 133660 | 97.65 |
| 764 | Advanced | 257 | 0.19 | 133917 | 97.84 |
| 765 | Advanced | 223 | 0.16 | 134140 | 98.00 |
| 766 | Advanced | 199 | 0.15 | 134339 | 98.15 |
| 767 | Advanced | 196 | 0.14 | 134535 | 98.29 |
| 768 | Advanced | 163 | 0.12 | 134698 | 98.41 |
| 769 | Advanced | 173 | 0.13 | 134871 | 98.54 |
| 770 | Advanced | 141 | 0.10 | 135012 | 98.64 |
| 771 | Advanced | 118 | 0.09 | 135130 | 98.73 |
| 772 | Advanced | 157 | 0.11 | 135287 | 98.84 |
| 773 | Advanced | 119 | 0.09 | 135406 | 98.93 |
| 774 | Advanced | 110 | 0.08 | 135516 | 99.01 |
| 775 | Advanced | 111 | 0.08 | 135627 | 99.09 |
| 776 | Advanced | 71 | 0.05 | 135698 | 99.14 |
| 777 | Advanced | 90 | 0.07 | 135788 | 99.21 |
| 778 | Advanced | 75 | 0.05 | 135863 | 99.26 |
| 779 | Advanced | 70 | 0.05 | 135933 | 99.31 |
| 780 | Advanced | 76 | 0.06 | 136009 | 99.37 |
| 781 | Advanced | 76 | 0.06 | 136085 | 99.42 |
| 782 | Advanced | 56 | 0.04 | 136141 | 99.46 |
| 783 | Advanced | 61 | 0.04 | 136202 | 99.51 |
| 784 | Advanced | 46 | 0.03 | 136248 | 99.54 |
| 785 | Advanced | 52 | 0.04 | 136300 | 99.58 |
| 786 | Advanced | 55 | 0.04 | 136355 | 99.62 |
| 787 | Advanced | 32 | 0.02 | 136387 | 99.64 |
| 788 | Advanced | 32 | 0.02 | 136419 | 99.67 |
| 789 | Advanced | 34 | 0.02 | 136453 | 99.69 |
| 790 | Advanced | 42 | 0.03 | 136495 | 99.72 |
| 791 | Advanced | 30 | 0.02 | 136525 | 99.74 |
| 792 | Advanced | 42 | 0.03 | 136567 | 99.77 |
| 793 | Advanced | 29 | 0.02 | 136596 | 99.80 |
| 794 | Advanced | 21 | 0.02 | 136617 | 99.81 |
| 795 | Advanced | 24 | 0.02 | 136641 | 99.83 |
| 796 | Advanced | 15 | 0.01 | 136656 | 99.84 |
| 797 | Advanced | 17 | 0.01 | 136673 | 99.85 |
| 798 | Advanced | 22 | 0.02 | 136695 | 99.87 |
| 799 | Advanced | 9 | 0.01 | 136704 | 99.88 |
| 800 | Advanced | 19 | 0.01 | 136723 | 99.89 |
| 801 | Advanced | 16 | 0.01 | 136739 | 99.90 |
| 802 | Advanced | 7 | 0.01 | 136746 | 99.91 |
| 803 | Advanced | 3 | 0.00 | 136749 | 99.91 |
| 805 | Advanced | 9 | 0.01 | 136758 | 99.91 |
| 806 | Advanced | 13 | 0.01 | 136771 | 99.92 |
| 807 | Advanced | 5 | 0.00 | 136776 | 99.93 |
| 808 | Advanced | 99 | 0.07 | 136875 | 100.00 |

Table A10. Scale Score Frequency Distributions – Grade 3 Mathematics

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-2 | 587 | Limited | 204 | 0.16 | 204 | 0.16 |
| 3 | 601 | Limited | 313 | 0.25 | 517 | 0.41 |
| 4 | 612 | Limited | 532 | 0.42 | 1049 | 0.83 |
| 5 | 621 | Limited | 743 | 0.59 | 1792 | 1.41 |
| 6 | 628 | Limited | 976 | 0.77 | 2768 | 2.18 |
| 7 | 635 | Limited | 1109 | 0.87 | 3877 | 3.06 |
| 8 | 641 | Limited | 1227 | 0.97 | 5104 | 4.02 |
| 9 | 646 | Limited | 1339 | 1.06 | 6443 | 5.08 |
| 10 | 651 | Limited | 1506 | 1.19 | 7949 | 6.27 |
| 11 | 656 | Limited | 1698 | 1.34 | 9647 | 7.6 |
| 12 | 661 | Limited | 1789 | 1.41 | 11436 | 9.01 |
| 13 | 665 | Limited | 1905 | 1.5 | 13341 | 10.52 |
| 14 | 669 | Limited | 1926 | 1.52 | 15267 | 12.03 |
| 15 | 673 | Limited | 2153 | 1.7 | 17420 | 13.73 |
| 16 | 677 | Limited | 2236 | 1.76 | 19656 | 15.49 |
| 17 | 681 | Limited | 2397 | 1.89 | 22053 | 17.38 |
| 18 | 684 | Basic | 2544 | 2.01 | 24597 | 19.39 |
| 19 | 688 | Basic | 2737 | 2.16 | 27334 | 21.54 |
| 20 | 691 | Basic | 2894 | 2.28 | 30228 | 23.83 |
| 21 | 695 | Basic | 2987 | 2.35 | 33215 | 26.18 |
| 22 | 698 | Basic | 3153 | 2.49 | 36368 | 28.67 |
| 23 | 702 | Proficient | 3328 | 2.62 | 39696 | 31.29 |
| 24 | 705 | Proficient | 3502 | 2.76 | 43198 | 34.05 |
| 25 | 708 | Proficient | 3694 | 2.91 | 46892 | 36.96 |
| 26 | 712 | Proficient | 3691 | 2.91 | 50583 | 39.87 |
| 27 | 715 | Proficient | 3939 | 3.1 | 54522 | 42.97 |
| 28 | 719 | Proficient | 4036 | 3.18 | 58558 | 46.16 |
| 29 | 722 | Proficient | 4273 | 3.37 | 62831 | 49.52 |
| 30 | 726 | Accelerated | 4217 | 3.32 | 67048 | 52.85 |
| 31 | 730 | Accelerated | 4374 | 3.45 | 71422 | 56.29 |
| 32 | 734 | Accelerated | 4392 | 3.46 | 75814 | 59.76 |
| 33 | 738 | Accelerated | 4572 | 3.6 | 80386 | 63.36 |
| 34 | 742 | Accelerated | 4402 | 3.47 | 84788 | 66.83 |
| 35 | 746 | Accelerated | 4668 | 3.68 | 89456 | 70.51 |
| 36 | 750 | Accelerated | 4516 | 3.56 | 93972 | 74.07 |
| 37 | 754 | Advanced | 4284 | 3.38 | 98256 | 77.44 |
| 38 | 759 | Advanced | 4193 | 3.3 | 102449 | 80.75 |
| 39 | 763 | Advanced | 4005 | 3.16 | 106454 | 83.91 |
| 40 | 768 | Advanced | 3705 | 2.92 | 110159 | 86.83 |
| 41 | 773 | Advanced | 3398 | 2.68 | 113557 | 89.51 |
| 42 | 779 | Advanced | 3021 | 2.38 | 116578 | 91.89 |
| 43 | 785 | Advanced | 2634 | 2.08 | 119212 | 93.96 |
| 44 | 791 | Advanced | 2289 | 1.8 | 121501 | 95.77 |
| 45 | 799 | Advanced | 1914 | 1.51 | 123415 | 97.28 |
| 46 | 808 | Advanced | 1522 | 1.2 | 124937 | 98.47 |
| 47-49 | 818 | Advanced | 1935 | 1.53 | 126872 | 100 |

Table A11. Scale Score Frequency Distributions – Grade 4 Mathematics

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-2 | 605 | Limited | 1093 | 0.88 | 1093 | 0.88 |
| 3 | 614 | Limited | 950 | 0.76 | 2043 | 1.64 |
| 4 | 625 | Limited | 1165 | 0.94 | 3208 | 2.57 |
| 5 | 634 | Limited | 1475 | 1.18 | 4683 | 3.76 |
| 6 | 641 | Limited | 1509 | 1.21 | 6192 | 4.97 |
| 7 | 648 | Limited | 1685 | 1.35 | 7877 | 6.32 |
| 8 | 654 | Limited | 1826 | 1.47 | 9703 | 7.79 |
| 9 | 659 | Limited | 1960 | 1.57 | 11663 | 9.36 |
| 10 | 664 | Limited | 2099 | 1.68 | 13762 | 11.05 |
| 11 | 669 | Limited | 2150 | 1.73 | 15912 | 12.77 |
| 12 | 673 | Limited | 2290 | 1.84 | 18202 | 14.61 |
| 13 | 678 | Limited | 2255 | 1.81 | 20457 | 16.42 |
| 14 | 682 | Limited | 2485 | 1.99 | 22942 | 18.41 |
| 15 | 686 | Basic | 2534 | 2.03 | 25476 | 20.45 |
| 16 | 689 | Basic | 2575 | 2.07 | 28051 | 22.51 |
| 17 | 693 | Basic | 2781 | 2.23 | 30832 | 24.75 |
| 18 | 696 | Basic | 2753 | 2.21 | 33585 | 26.95 |
| 19 | 700 | Proficient | 2837 | 2.28 | 36422 | 29.23 |
| 20 | 703 | Proficient | 2978 | 2.39 | 39400 | 31.62 |
| 21 | 707 | Proficient | 2946 | 2.36 | 42346 | 33.99 |
| 22 | 710 | Proficient | 3011 | 2.42 | 45357 | 36.4 |
| 23 | 713 | Proficient | 3152 | 2.53 | 48509 | 38.93 |
| 24 | 717 | Proficient | 3123 | 2.51 | 51632 | 41.44 |
| 25 | 720 | Proficient | 3267 | 2.62 | 54899 | 44.06 |
| 26 | 723 | Proficient | 3368 | 2.7 | 58267 | 46.76 |
| 27 | 727 | Accelerated | 3380 | 2.71 | 61647 | 49.48 |
| 28 | 730 | Accelerated | 3388 | 2.72 | 65035 | 52.2 |
| 29 | 734 | Accelerated | 3403 | 2.73 | 68438 | 54.93 |
| 30 | 737 | Accelerated | 3460 | 2.78 | 71898 | 57.7 |
| 31 | 741 | Accelerated | 3521 | 2.83 | 75419 | 60.53 |
| 32 | 744 | Accelerated | 3530 | 2.83 | 78949 | 63.36 |
| 33 | 748 | Accelerated | 3657 | 2.94 | 82606 | 66.3 |
| 34 | 752 | Accelerated | 3708 | 2.98 | 86314 | 69.27 |
| 35 | 756 | Accelerated | 3566 | 2.86 | 89880 | 72.14 |
| 36 | 760 | Advanced | 3596 | 2.89 | 93476 | 75.02 |
| 37 | 764 | Advanced | 3551 | 2.85 | 97027 | 77.87 |
| 38 | 769 | Advanced | 3472 | 2.79 | 100499 | 80.66 |
| 39 | 773 | Advanced | 3418 | 2.74 | 103917 | 83.4 |
| 40 | 779 | Advanced | 3300 | 2.65 | 107217 | 86.05 |
| 41 | 784 | Advanced | 3154 | 2.53 | 110371 | 88.58 |
| 42 | 790 | Advanced | 2903 | 2.33 | 113274 | 90.91 |
| 43 | 797 | Advanced | 2760 | 2.22 | 116034 | 93.13 |
| 44 | 805 | Advanced | 2452 | 1.97 | 118486 | 95.1 |
| 45 | 814 | Advanced | 2091 | 1.68 | 120577 | 96.77 |
| 46 | 825 | Advanced | 1727 | 1.39 | 122304 | 98.16 |
| 47-49 | 835 | Advanced | 2293 | 1.84 | 124597 | 100 |

Table A12. Scale Score Frequency Distributions – Grade 5 Mathematics

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-2 | 624 | Limited | 657 | 0.53 | 657 | 0.53 |
| 3 | 634 | Limited | 1157 | 0.94 | 1814 | 1.47 |
| 4 | 643 | Limited | 1917 | 1.56 | 3731 | 3.03 |
| 5 | 650 | Limited | 2626 | 2.13 | 6357 | 5.16 |
| 6 | 656 | Limited | 3197 | 2.59 | 9554 | 7.75 |
| 7 | 661 | Limited | 3421 | 2.78 | 12975 | 10.53 |
| 8 | 666 | Limited | 3530 | 2.86 | 16505 | 13.39 |
| 9 | 670 | Limited | 3579 | 2.9 | 20084 | 16.3 |
| 10 | 674 | Limited | 3463 | 2.81 | 23547 | 19.11 |
| 11 | 677 | Limited | 3495 | 2.84 | 27042 | 21.94 |
| 12 | 681 | Limited | 3428 | 2.78 | 30470 | 24.73 |
| 13 | 684 | Limited | 3289 | 2.67 | 33759 | 27.39 |
| 14 | 688 | Basic | 3348 | 2.72 | 37107 | 30.11 |
| 15 | 691 | Basic | 3383 | 2.75 | 40490 | 32.86 |
| 16 | 694 | Basic | 3249 | 2.64 | 43739 | 35.49 |
| 17 | 697 | Basic | 3452 | 2.8 | 47191 | 38.29 |
| 18 | 700 | Proficient | 3288 | 2.67 | 50479 | 40.96 |
| 19 | 702 | Proficient | 3382 | 2.74 | 53861 | 43.71 |
| 20 | 705 | Proficient | 3206 | 2.6 | 57067 | 46.31 |
| 21 | 708 | Proficient | 3352 | 2.72 | 60419 | 49.03 |
| 22 | 710 | Proficient | 3361 | 2.73 | 63780 | 51.75 |
| 23 | 713 | Proficient | 3236 | 2.63 | 67016 | 54.38 |
| 24 | 716 | Proficient | 3110 | 2.52 | 70126 | 56.9 |
| 25 | 718 | Proficient | 3264 | 2.65 | 73390 | 59.55 |
| 26 | 721 | Proficient | 3183 | 2.58 | 76573 | 62.14 |
| 27 | 724 | Proficient | 3154 | 2.56 | 79727 | 64.7 |
| 28 | 726 | Accelerated | 3129 | 2.54 | 82856 | 67.23 |
| 29 | 729 | Accelerated | 2954 | 2.4 | 85810 | 69.63 |
| 30 | 732 | Accelerated | 3030 | 2.46 | 88840 | 72.09 |
| 31 | 735 | Accelerated | 2805 | 2.28 | 91645 | 74.37 |
| 32 | 738 | Accelerated | 2835 | 2.3 | 94480 | 76.67 |
| 33 | 740 | Accelerated | 2712 | 2.2 | 97192 | 78.87 |
| 34 | 743 | Accelerated | 2651 | 2.15 | 99843 | 81.02 |
| 35 | 747 | Accelerated | 2694 | 2.19 | 102537 | 83.2 |
| 36 | 750 | Advanced | 2530 | 2.05 | 105067 | 85.26 |
| 37 | 753 | Advanced | 2421 | 1.96 | 107488 | 87.22 |
| 38 | 756 | Advanced | 2307 | 1.87 | 109795 | 89.09 |
| 39 | 760 | Advanced | 2200 | 1.79 | 111995 | 90.88 |
| 40 | 764 | Advanced | 2120 | 1.72 | 114115 | 92.6 |
| 41 | 768 | Advanced | 1964 | 1.59 | 116079 | 94.19 |
| 42 | 772 | Advanced | 1704 | 1.38 | 117783 | 95.58 |
| 43 | 777 | Advanced | 1529 | 1.24 | 119312 | 96.82 |
| 44 | 783 | Advanced | 1338 | 1.09 | 120650 | 97.9 |
| 45 | 790 | Advanced | 1035 | 0.84 | 121685 | 98.74 |
| 46 | 798 | Advanced | 713 | 0.58 | 122398 | 99.32 |
| 47-49 | 804 | Advanced | 837 | 0.68 | 123235 | 100 |

Table A13. Scale Score Frequency Distributions – Grade 6 Mathematics

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-2 | 616 | Limited | 144 | 0.12 | 144 | 0.12 |
| 3 | 618 | Limited | 253 | 0.21 | 397 | 0.33 |
| 4 | 626 | Limited | 490 | 0.41 | 887 | 0.74 |
| 5 | 633 | Limited | 720 | 0.6 | 1607 | 1.34 |
| 6 | 639 | Limited | 935 | 0.78 | 2542 | 2.12 |
| 7 | 645 | Limited | 1241 | 1.03 | 3783 | 3.15 |
| 8 | 649 | Limited | 1439 | 1.2 | 5222 | 4.35 |
| 9 | 653 | Limited | 1603 | 1.33 | 6825 | 5.68 |
| 10 | 657 | Limited | 1800 | 1.5 | 8625 | 7.18 |
| 11 | 661 | Limited | 1959 | 1.63 | 10584 | 8.81 |
| 12 | 665 | Limited | 2075 | 1.73 | 12659 | 10.54 |
| 13 | 668 | Limited | 2333 | 1.94 | 14992 | 12.48 |
| 14 | 671 | Limited | 2369 | 1.97 | 17361 | 14.45 |
| 15 | 674 | Limited | 2481 | 2.07 | 19842 | 16.52 |
| 16 | 677 | Limited | 2615 | 2.18 | 22457 | 18.69 |
| 17 | 680 | Limited | 2671 | 2.22 | 25128 | 20.92 |
| 18 | 682 | Basic | 2793 | 2.32 | 27921 | 23.24 |
| 19 | 685 | Basic | 3017 | 2.51 | 30938 | 25.75 |
| 20 | 688 | Basic | 3176 | 2.64 | 34114 | 28.4 |
| 21 | 690 | Basic | 3131 | 2.61 | 37245 | 31 |
| 22 | 693 | Basic | 3195 | 2.66 | 40440 | 33.66 |
| 23 | 695 | Basic | 3370 | 2.81 | 43810 | 36.47 |
| 24 | 698 | Basic | 3422 | 2.85 | 47232 | 39.32 |
| 25 | 701 | Proficient | 3441 | 2.86 | 50673 | 42.18 |
| 26 | 703 | Proficient | 3447 | 2.87 | 54120 | 45.05 |
| 27 | 706 | Proficient | 3507 | 2.92 | 57627 | 47.97 |
| 28 | 708 | Proficient | 3604 | 3 | 61231 | 50.97 |
| 29 | 711 | Proficient | 3514 | 2.93 | 64745 | 53.9 |
| 30 | 713 | Proficient | 3501 | 2.91 | 68246 | 56.81 |
| 31 | 716 | Proficient | 3486 | 2.9 | 71732 | 59.71 |
| 32 | 719 | Proficient | 3457 | 2.88 | 75189 | 62.59 |
| 33 | 721 | Proficient | 3399 | 2.83 | 78588 | 65.42 |
| 34 | 725 | Accelerated | 3217 | 2.68 | 81805 | 68.1 |
| 35 | 727 | Accelerated | 3420 | 2.85 | 85225 | 70.94 |
| 36 | 730 | Accelerated | 3215 | 2.68 | 88440 | 73.62 |
| 37 | 733 | Accelerated | 3180 | 2.65 | 91620 | 76.27 |
| 38 | 736 | Accelerated | 3114 | 2.59 | 94734 | 78.86 |
| 39 | 739 | Accelerated | 2957 | 2.46 | 97691 | 81.32 |
| 40 | 744 | Advanced | 2882 | 2.4 | 100573 | 83.72 |
| 41 | 747 | Advanced | 2729 | 2.27 | 103302 | 85.99 |
| 42 | 750 | Advanced | 2621 | 2.18 | 105923 | 88.17 |
| 43 | 755 | Advanced | 2486 | 2.07 | 108409 | 90.24 |
| 44 | 759 | Advanced | 2284 | 1.9 | 110693 | 92.14 |
| 45 | 764 | Advanced | 2091 | 1.74 | 112784 | 93.88 |
| 46 | 769 | Advanced | 1818 | 1.51 | 114602 | 95.4 |
| 47 | 775 | Advanced | 1712 | 1.43 | 116314 | 96.82 |
| 48 | 782 | Advanced | 1403 | 1.17 | 117717 | 97.99 |
| 49-52 | 790 | Advanced | 2414 | 2.01 | 120131 | 100 |

Table A14. Scale Score Frequency Distributions – Grade 7 Mathematics

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-2 | 605 | Limited | 475 | 0.39 | 475 | 0.39 |
| 3 | 613 | Limited | 702 | 0.58 | 1177 | 0.97 |
| 4 | 622 | Limited | 1162 | 0.96 | 2339 | 1.93 |
| 5 | 630 | Limited | 1500 | 1.24 | 3839 | 3.17 |
| 6 | 636 | Limited | 1760 | 1.45 | 5599 | 4.62 |
| 7 | 642 | Limited | 2056 | 1.7 | 7655 | 6.31 |
| 8 | 647 | Limited | 2130 | 1.76 | 9785 | 8.07 |
| 9 | 652 | Limited | 2314 | 1.91 | 12099 | 9.98 |
| 10 | 656 | Limited | 2449 | 2.02 | 14548 | 12 |
| 11 | 660 | Limited | 2582 | 2.13 | 17130 | 14.13 |
| 12 | 664 | Limited | 2609 | 2.15 | 19739 | 16.28 |
| 13 | 668 | Limited | 2741 | 2.26 | 22480 | 18.54 |
| 14 | 671 | Limited | 2819 | 2.33 | 25299 | 20.87 |
| 15 | 674 | Limited | 2931 | 2.42 | 28230 | 23.28 |
| 16 | 678 | Limited | 2911 | 2.4 | 31141 | 25.69 |
| 17 | 681 | Limited | 2906 | 2.4 | 34047 | 28.08 |
| 18 | 684 | Basic | 3086 | 2.55 | 37133 | 30.63 |
| 19 | 687 | Basic | 3070 | 2.53 | 40203 | 33.16 |
| 20 | 690 | Basic | 3156 | 2.6 | 43359 | 35.76 |
| 21 | 693 | Basic | 3203 | 2.64 | 46562 | 38.41 |
| 22 | 696 | Basic | 3107 | 2.56 | 49669 | 40.97 |
| 23 | 698 | Basic | 3217 | 2.65 | 52886 | 43.62 |
| 24 | 701 | Proficient | 3181 | 2.62 | 56067 | 46.25 |
| 25 | 704 | Proficient | 3236 | 2.67 | 59303 | 48.91 |
| 26 | 707 | Proficient | 3179 | 2.62 | 62482 | 51.54 |
| 27 | 710 | Proficient | 3197 | 2.64 | 65679 | 54.17 |
| 28 | 713 | Proficient | 3196 | 2.64 | 68875 | 56.81 |
| 29 | 716 | Proficient | 3215 | 2.65 | 72090 | 59.46 |
| 30 | 719 | Proficient | 3204 | 2.64 | 75294 | 62.1 |
| 31 | 722 | Proficient | 3156 | 2.6 | 78450 | 64.71 |
| 32 | 725 | Accelerated | 3102 | 2.56 | 81552 | 67.27 |
| 33 | 728 | Accelerated | 3105 | 2.56 | 84657 | 69.83 |
| 34 | 731 | Accelerated | 3099 | 2.56 | 87756 | 72.38 |
| 35 | 734 | Accelerated | 3047 | 2.51 | 90803 | 74.9 |
| 36 | 737 | Accelerated | 3016 | 2.49 | 93819 | 77.38 |
| 37 | 741 | Accelerated | 3018 | 2.49 | 96837 | 79.87 |
| 38 | 744 | Accelerated | 2945 | 2.43 | 99782 | 82.3 |
| 39 | 748 | Accelerated | 2809 | 2.32 | 102591 | 84.62 |
| 40 | 752 | Accelerated | 2669 | 2.2 | 105260 | 86.82 |
| 41 | 756 | Advanced | 2504 | 2.07 | 107764 | 88.89 |
| 42 | 761 | Advanced | 2509 | 2.07 | 110273 | 90.96 |
| 43 | 765 | Advanced | 2266 | 1.87 | 112539 | 92.83 |
| 44 | 770 | Advanced | 1971 | 1.63 | 114510 | 94.45 |
| 45 | 776 | Advanced | 1704 | 1.41 | 116214 | 95.86 |
| 46 | 782 | Advanced | 1534 | 1.27 | 117748 | 97.12 |
| 47 | 789 | Advanced | 1178 | 0.97 | 118926 | 98.09 |
| 48 | 797 | Advanced | 943 | 0.78 | 119869 | 98.87 |
| 49-52 | 806 | Advanced | 1368 | 1.13 | 121237 | 100 |

Table A15. Scale Score Frequency Distributions – Grade 8 Mathematics

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-3 | 633 | Limited | 239 | 0.25 | 239 | 0.25 |
| 4 | 637 | Limited | 293 | 0.3 | 532 | 0.55 |
| 5 | 642 | Limited | 542 | 0.56 | 1074 | 1.12 |
| 6 | 647 | Limited | 844 | 0.88 | 1918 | 1.99 |
| 7 | 651 | Limited | 1146 | 1.19 | 3064 | 3.18 |
| 8 | 655 | Limited | 1304 | 1.35 | 4368 | 4.53 |
| 9 | 658 | Limited | 1496 | 1.55 | 5864 | 6.09 |
| 10 | 662 | Limited | 1758 | 1.83 | 7622 | 7.91 |
| 11 | 665 | Limited | 1831 | 1.9 | 9453 | 9.81 |
| 12 | 668 | Limited | 1957 | 2.03 | 11410 | 11.85 |
| 13 | 671 | Limited | 2165 | 2.25 | 13575 | 14.09 |
| 14 | 673 | Limited | 2271 | 2.36 | 15846 | 16.45 |
| 15 | 676 | Limited | 2424 | 2.52 | 18270 | 18.97 |
| 16 | 678 | Limited | 2476 | 2.57 | 20746 | 21.54 |
| 17 | 681 | Limited | 2520 | 2.62 | 23266 | 24.16 |
| 18 | 683 | Limited | 2606 | 2.71 | 25872 | 26.86 |
| 19 | 686 | Limited | 2692 | 2.79 | 28564 | 29.66 |
| 20 | 688 | Limited | 2799 | 2.91 | 31363 | 32.56 |
| 21 | 690 | Basic | 2898 | 3.01 | 34261 | 35.57 |
| 22 | 693 | Basic | 2878 | 2.99 | 37139 | 38.56 |
| 23 | 695 | Basic | 2958 | 3.07 | 40097 | 41.63 |
| 24 | 697 | Basic | 3185 | 3.31 | 43282 | 44.94 |
| 25 | 700 | Proficient | 3198 | 3.32 | 46480 | 48.26 |
| 26 | 702 | Proficient | 3147 | 3.27 | 49627 | 51.52 |
| 27 | 704 | Proficient | 3359 | 3.49 | 52986 | 55.01 |
| 28 | 706 | Proficient | 3294 | 3.42 | 56280 | 58.43 |
| 29 | 709 | Proficient | 3230 | 3.35 | 59510 | 61.78 |
| 30 | 711 | Proficient | 3223 | 3.35 | 62733 | 65.13 |
| 31 | 713 | Proficient | 3252 | 3.38 | 65985 | 68.51 |
| 32 | 716 | Proficient | 3046 | 3.16 | 69031 | 71.67 |
| 33 | 718 | Proficient | 2945 | 3.06 | 71976 | 74.73 |
| 34 | 721 | Proficient | 2906 | 3.02 | 74882 | 77.74 |
| 35 | 724 | Proficient | 2704 | 2.81 | 77586 | 80.55 |
| 36 | 726 | Accelerated | 2497 | 2.59 | 80083 | 83.14 |
| 37 | 729 | Accelerated | 2322 | 2.41 | 82405 | 85.55 |
| 38 | 732 | Accelerated | 2175 | 2.26 | 84580 | 87.81 |
| 39 | 735 | Accelerated | 1902 | 1.97 | 86482 | 89.79 |
| 40 | 738 | Accelerated | 1786 | 1.85 | 88268 | 91.64 |
| 41 | 741 | Accelerated | 1499 | 1.56 | 89767 | 93.2 |
| 42 | 745 | Advanced | 1340 | 1.39 | 91107 | 94.59 |
| 43 | 748 | Advanced | 1139 | 1.18 | 92246 | 95.77 |
| 44 | 752 | Advanced | 1011 | 1.05 | 93257 | 96.82 |
| 45 | 756 | Advanced | 825 | 0.86 | 94082 | 97.68 |
| 46 | 760 | Advanced | 646 | 0.67 | 94728 | 98.35 |
| 47 | 765 | Advanced | 499 | 0.52 | 95227 | 98.87 |
| 48 | 770 | Advanced | 409 | 0.42 | 95636 | 99.29 |
| 49-53 | 774 | Advanced | 683 | 0.71 | 96319 | 100 |

Table A16. Scale Score Frequency Distributions – High School Algebra

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-2 | 618 | Limited | 265 | 0.19 | 265 | 0.19 |
| 3 | 629 | Limited | 423 | 0.3 | 688 | 0.49 |
| 4 | 638 | Limited | 838 | 0.6 | 1526 | 1.09 |
| 5 | 645 | Limited | 1543 | 1.1 | 3069 | 2.19 |
| 6 | 652 | Limited | 2415 | 1.72 | 5484 | 3.91 |
| 7 | 657 | Limited | 3686 | 2.63 | 9170 | 6.55 |
| 8 | 662 | Limited | 4592 | 3.28 | 13762 | 9.82 |
| 9 | 666 | Limited | 5522 | 3.94 | 19284 | 13.76 |
| 10 | 670 | Limited | 5742 | 4.1 | 25026 | 17.86 |
| 11 | 674 | Limited | 5976 | 4.27 | 31002 | 22.13 |
| 12 | 678 | Limited | 5780 | 4.13 | 36782 | 26.25 |
| 13 | 682 | Basic | 5531 | 3.95 | 42313 | 30.2 |
| 14 | 684 | Basic | 5144 | 3.67 | 47457 | 33.87 |
| 15 | 687 | Basic | 4889 | 3.49 | 52346 | 37.36 |
| 16 | 690 | Basic | 4653 | 3.32 | 56999 | 40.68 |
| 17 | 693 | Basic | 4664 | 3.33 | 61663 | 44.01 |
| 18 | 696 | Basic | 4289 | 3.06 | 65952 | 47.07 |
| 19 | 698 | Basic | 4156 | 2.97 | 70108 | 50.04 |
| 20 | 701 | Proficient | 4139 | 2.95 | 74247 | 52.99 |
| 21 | 704 | Proficient | 3925 | 2.8 | 78172 | 55.79 |
| 22 | 706 | Proficient | 3946 | 2.82 | 82118 | 58.61 |
| 23 | 709 | Proficient | 3788 | 2.7 | 85906 | 61.32 |
| 24 | 711 | Proficient | 3789 | 2.7 | 89695 | 64.02 |
| 25 | 714 | Proficient | 3614 | 2.58 | 93309 | 66.6 |
| 26 | 716 | Proficient | 3720 | 2.66 | 97029 | 69.25 |
| 27 | 719 | Proficient | 3451 | 2.46 | 100480 | 71.72 |
| 28 | 721 | Proficient | 3436 | 2.45 | 103916 | 74.17 |
| 29 | 724 | Proficient | 3277 | 2.34 | 107193 | 76.51 |
| 30 | 726 | Accelerated | 3201 | 2.28 | 110394 | 78.79 |
| 31 | 729 | Accelerated | 2908 | 2.08 | 113302 | 80.87 |
| 32 | 731 | Accelerated | 2822 | 2.01 | 116124 | 82.88 |
| 33 | 734 | Accelerated | 2660 | 1.9 | 118784 | 84.78 |
| 34 | 737 | Accelerated | 2479 | 1.77 | 121263 | 86.55 |
| 35 | 740 | Accelerated | 2432 | 1.74 | 123695 | 88.29 |
| 36 | 743 | Accelerated | 2240 | 1.6 | 125935 | 89.89 |
| 37 | 746 | Accelerated | 2092 | 1.49 | 128027 | 91.38 |
| 38 | 749 | Accelerated | 1752 | 1.25 | 129779 | 92.63 |
| 39 | 752 | Accelerated | 1619 | 1.16 | 131398 | 93.78 |
| 40 | 755 | Advanced | 1540 | 1.1 | 132938 | 94.88 |
| 41 | 759 | Advanced | 1263 | 0.9 | 134201 | 95.79 |
| 42 | 762 | Advanced | 1163 | 0.83 | 135364 | 96.62 |
| 43 | 766 | Advanced | 1015 | 0.72 | 136379 | 97.34 |
| 44 | 770 | Advanced | 842 | 0.6 | 137221 | 97.94 |
| 45 | 775 | Advanced | 765 | 0.55 | 137986 | 98.49 |
| 46 | 780 | Advanced | 571 | 0.41 | 138557 | 98.89 |
| 47 | 785 | Advanced | 495 | 0.35 | 139052 | 99.25 |
| 48 | 791 | Advanced | 351 | 0.25 | 139403 | 99.5 |
| 49 | 798 | Advanced | 286 | 0.2 | 139689 | 99.7 |
| 50 | 806 | Advanced | 192 | 0.14 | 139881 | 99.84 |
| 51-54 | 814 | Advanced | 225 | 0.16 | 140106 | 100 |

Table A17. Scale Score Frequency Distributions – High School Geometry

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-1 | 604 | Limited | 227 | 0.19 | 227 | 0.19 |
| 2 | 617 | Limited | 621 | 0.52 | 848 | 0.71 |
| 3 | 630 | Limited | 1466 | 1.22 | 2314 | 1.93 |
| 4 | 640 | Limited | 2620 | 2.19 | 4934 | 4.12 |
| 5 | 648 | Limited | 3813 | 3.18 | 8747 | 7.31 |
| 6 | 655 | Limited | 4753 | 3.97 | 13500 | 11.28 |
| 7 | 661 | Limited | 5541 | 4.63 | 19041 | 15.9 |
| 8 | 666 | Limited | 5642 | 4.71 | 24683 | 20.62 |
| 9 | 671 | Limited | 5645 | 4.72 | 30328 | 25.33 |
| 10 | 675 | Limited | 5567 | 4.65 | 35895 | 29.98 |
| 11 | 679 | Basic | 5361 | 4.48 | 41256 | 34.46 |
| 12 | 683 | Basic | 5063 | 4.23 | 46319 | 38.69 |
| 13 | 687 | Basic | 4724 | 3.95 | 51043 | 42.64 |
| 14 | 690 | Basic | 4522 | 3.78 | 55565 | 46.41 |
| 15 | 693 | Basic | 4363 | 3.64 | 59928 | 50.06 |
| 16 | 697 | Basic | 4134 | 3.45 | 64062 | 53.51 |
| 17 | 700 | Proficient | 3770 | 3.15 | 67832 | 56.66 |
| 18 | 703 | Proficient | 3634 | 3.04 | 71466 | 59.69 |
| 19 | 706 | Proficient | 3469 | 2.9 | 74935 | 62.59 |
| 20 | 709 | Proficient | 3308 | 2.76 | 78243 | 65.35 |
| 21 | 712 | Proficient | 3211 | 2.68 | 81454 | 68.04 |
| 22 | 715 | Proficient | 2906 | 2.43 | 84360 | 70.46 |
| 23 | 717 | Proficient | 2836 | 2.37 | 87196 | 72.83 |
| 24 | 720 | Proficient | 2669 | 2.23 | 89865 | 75.06 |
| 25 | 723 | Proficient | 2496 | 2.08 | 92361 | 77.15 |
| 26 | 726 | Accelerated | 2401 | 2.01 | 94762 | 79.15 |
| 27 | 728 | Accelerated | 2220 | 1.85 | 96982 | 81.01 |
| 28 | 731 | Accelerated | 2139 | 1.79 | 99121 | 82.79 |
| 29 | 734 | Accelerated | 1970 | 1.65 | 101091 | 84.44 |
| 30 | 737 | Accelerated | 1867 | 1.56 | 102958 | 86 |
| 31 | 740 | Accelerated | 1825 | 1.52 | 104783 | 87.52 |
| 32 | 742 | Accelerated | 1647 | 1.38 | 106430 | 88.9 |
| 33 | 745 | Accelerated | 1497 | 1.25 | 107927 | 90.15 |
| 34 | 748 | Accelerated | 1376 | 1.15 | 109303 | 91.3 |
| 35 | 751 | Accelerated | 1310 | 1.09 | 110613 | 92.39 |
| 36 | 754 | Accelerated | 1205 | 1.01 | 111818 | 93.4 |
| 37 | 757 | Advanced | 1144 | 0.96 | 112962 | 94.36 |
| 38 | 761 | Advanced | 1010 | 0.84 | 113972 | 95.2 |
| 39 | 764 | Advanced | 879 | 0.73 | 114851 | 95.93 |
| 40 | 767 | Advanced | 826 | 0.69 | 115677 | 96.62 |
| 41 | 771 | Advanced | 708 | 0.59 | 116385 | 97.21 |
| 42 | 774 | Advanced | 629 | 0.53 | 117014 | 97.74 |
| 43 | 778 | Advanced | 544 | 0.45 | 117558 | 98.19 |
| 44 | 782 | Advanced | 497 | 0.42 | 118055 | 98.61 |
| 45 | 786 | Advanced | 400 | 0.33 | 118455 | 98.94 |
| 46 | 791 | Advanced | 326 | 0.27 | 118781 | 99.22 |
| 47 | 796 | Advanced | 270 | 0.23 | 119051 | 99.44 |
| 48 | 801 | Advanced | 221 | 0.18 | 119272 | 99.63 |
| 49 | 807 | Advanced | 162 | 0.14 | 119434 | 99.76 |
| 50-54 | 810 | Advanced | 286 | 0.24 | 119720 | 100 |

Table A18. Scale Score Frequency Distributions – High School Integrated Mathematics 1

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-2 | 618 | Limited | 62 | 0.53 | 62 | 0.53 |
| 3 | 625 | Limited | 81 | 0.69 | 143 | 1.23 |
| 4 | 634 | Limited | 132 | 1.13 | 275 | 2.36 |
| 5 | 641 | Limited | 227 | 1.95 | 502 | 4.3 |
| 6 | 648 | Limited | 318 | 2.72 | 820 | 7.03 |
| 7 | 653 | Limited | 417 | 3.57 | 1237 | 10.6 |
| 8 | 658 | Limited | 517 | 4.43 | 1754 | 15.03 |
| 9 | 662 | Limited | 562 | 4.82 | 2316 | 19.85 |
| 10 | 666 | Limited | 575 | 4.93 | 2891 | 24.77 |
| 11 | 670 | Limited | 566 | 4.85 | 3457 | 29.62 |
| 12 | 674 | Limited | 547 | 4.69 | 4004 | 34.31 |
| 13 | 677 | Limited | 439 | 3.76 | 4443 | 38.07 |
| 14 | 680 | Limited | 453 | 3.88 | 4896 | 41.95 |
| 15 | 683 | Basic | 322 | 2.76 | 5218 | 44.71 |
| 16 | 686 | Basic | 338 | 2.9 | 5556 | 47.61 |
| 17 | 689 | Basic | 339 | 2.9 | 5895 | 50.51 |
| 18 | 691 | Basic | 319 | 2.73 | 6214 | 53.25 |
| 19 | 694 | Basic | 264 | 2.26 | 6478 | 55.51 |
| 20 | 697 | Basic | 288 | 2.47 | 6766 | 57.98 |
| 21 | 700 | Proficient | 304 | 2.6 | 7070 | 60.58 |
| 22 | 702 | Proficient | 270 | 2.31 | 7340 | 62.9 |
| 23 | 704 | Proficient | 247 | 2.12 | 7587 | 65.01 |
| 24 | 707 | Proficient | 285 | 2.44 | 7872 | 67.46 |
| 25 | 709 | Proficient | 242 | 2.07 | 8114 | 69.53 |
| 26 | 711 | Proficient | 250 | 2.14 | 8364 | 71.67 |
| 27 | 714 | Proficient | 195 | 1.67 | 8559 | 73.34 |
| 28 | 716 | Proficient | 219 | 1.88 | 8778 | 75.22 |
| 29 | 719 | Proficient | 219 | 1.88 | 8997 | 77.1 |
| 30 | 721 | Proficient | 191 | 1.64 | 9188 | 78.73 |
| 31 | 723 | Proficient | 180 | 1.54 | 9368 | 80.27 |
| 32 | 726 | Accelerated | 194 | 1.66 | 9562 | 81.94 |
| 33 | 729 | Accelerated | 190 | 1.63 | 9752 | 83.56 |
| 34 | 731 | Accelerated | 204 | 1.75 | 9956 | 85.31 |
| 35 | 734 | Accelerated | 194 | 1.66 | 10150 | 86.98 |
| 36 | 736 | Accelerated | 158 | 1.35 | 10308 | 88.33 |
| 37 | 739 | Accelerated | 166 | 1.42 | 10474 | 89.75 |
| 38 | 742 | Accelerated | 140 | 1.2 | 10614 | 90.95 |
| 39 | 745 | Accelerated | 142 | 1.22 | 10756 | 92.17 |
| 40 | 748 | Accelerated | 162 | 1.39 | 10918 | 93.56 |
| 41 | 751 | Accelerated | 109 | 0.93 | 11027 | 94.49 |
| 42 | 755 | Advanced | 119 | 1.02 | 11146 | 95.51 |
| 43 | 758 | Advanced | 133 | 1.14 | 11279 | 96.65 |
| 44 | 762 | Advanced | 99 | 0.85 | 11378 | 97.5 |
| 45 | 766 | Advanced | 75 | 0.64 | 11453 | 98.14 |
| 46 | 771 | Advanced | 64 | 0.55 | 11517 | 98.69 |
| 47 | 775 | Advanced | 64 | 0.55 | 11581 | 99.24 |
| 48 | 781 | Advanced | 25 | 0.21 | 11606 | 99.45 |
| 49 | 786 | Advanced | 33 | 0.28 | 11639 | 99.73 |
| 50 | 793 | Advanced | 20 | 0.17 | 11659 | 99.91 |
| 51 | 801 | Advanced | 6 | 0.05 | 11665 | 99.96 |
| 52 | 810 | Advanced | 4 | 0.03 | 11669 | 99.99 |
| 53-55 | 814 | Advanced | 1 | 0.01 | 11670 | 100 |

Table A19. Scale Score Frequency Distributions – High School Integrated Mathematics 2

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-1 | 594 | Limited | 9 | 0.09 | 9 | 0.09 |
| 2 | 600 | Limited | 46 | 0.46 | 55 | 0.55 |
| 3 | 615 | Limited | 102 | 1.03 | 157 | 1.58 |
| 4 | 625 | Limited | 160 | 1.61 | 317 | 3.19 |
| 5 | 634 | Limited | 271 | 2.73 | 588 | 5.92 |
| 6 | 641 | Limited | 353 | 3.55 | 941 | 9.47 |
| 7 | 648 | Limited | 482 | 4.85 | 1423 | 14.33 |
| 8 | 653 | Limited | 486 | 4.89 | 1909 | 19.22 |
| 9 | 659 | Limited | 520 | 5.24 | 2429 | 24.46 |
| 10 | 663 | Limited | 512 | 5.16 | 2941 | 29.61 |
| 11 | 668 | Limited | 550 | 5.54 | 3491 | 35.15 |
| 12 | 672 | Limited | 484 | 4.87 | 3975 | 40.02 |
| 13 | 677 | Basic | 454 | 4.57 | 4429 | 44.59 |
| 14 | 680 | Basic | 428 | 4.31 | 4857 | 48.9 |
| 15 | 684 | Basic | 381 | 3.84 | 5238 | 52.74 |
| 16 | 687 | Basic | 355 | 3.57 | 5593 | 56.31 |
| 17 | 691 | Basic | 316 | 3.18 | 5909 | 59.49 |
| 18 | 694 | Basic | 322 | 3.24 | 6231 | 62.74 |
| 19 | 697 | Basic | 304 | 3.06 | 6535 | 65.8 |
| 20 | 701 | Proficient | 245 | 2.47 | 6780 | 68.26 |
| 21 | 704 | Proficient | 250 | 2.52 | 7030 | 70.78 |
| 22 | 707 | Proficient | 246 | 2.48 | 7276 | 73.26 |
| 23 | 710 | Proficient | 209 | 2.1 | 7485 | 75.36 |
| 24 | 713 | Proficient | 195 | 1.96 | 7680 | 77.33 |
| 25 | 716 | Proficient | 188 | 1.89 | 7868 | 79.22 |
| 26 | 719 | Proficient | 201 | 2.02 | 8069 | 81.24 |
| 27 | 721 | Proficient | 161 | 1.62 | 8230 | 82.86 |
| 28 | 725 | Accelerated | 168 | 1.69 | 8398 | 84.55 |
| 29 | 727 | Accelerated | 145 | 1.46 | 8543 | 86.01 |
| 30 | 730 | Accelerated | 143 | 1.44 | 8686 | 87.45 |
| 31 | 733 | Accelerated | 130 | 1.31 | 8816 | 88.76 |
| 32 | 736 | Accelerated | 122 | 1.23 | 8938 | 89.99 |
| 33 | 739 | Accelerated | 100 | 1.01 | 9038 | 91 |
| 34 | 742 | Accelerated | 112 | 1.13 | 9150 | 92.13 |
| 35 | 745 | Accelerated | 90 | 0.91 | 9240 | 93.03 |
| 36 | 748 | Accelerated | 78 | 0.79 | 9318 | 93.82 |
| 37 | 751 | Accelerated | 82 | 0.83 | 9400 | 94.64 |
| 38 | 754 | Accelerated | 81 | 0.82 | 9481 | 95.46 |
| 39 | 758 | Advanced | 63 | 0.63 | 9544 | 96.09 |
| 40 | 761 | Advanced | 75 | 0.76 | 9619 | 96.85 |
| 41 | 764 | Advanced | 61 | 0.61 | 9680 | 97.46 |
| 42 | 768 | Advanced | 51 | 0.51 | 9731 | 97.98 |
| 43 | 771 | Advanced | 49 | 0.49 | 9780 | 98.47 |
| 44 | 775 | Advanced | 30 | 0.3 | 9810 | 98.77 |
| 45 | 779 | Advanced | 29 | 0.29 | 9839 | 99.06 |
| 46 | 783 | Advanced | 22 | 0.22 | 9861 | 99.29 |
| 47 | 788 | Advanced | 21 | 0.21 | 9882 | 99.5 |
| 48 | 792 | Advanced | 14 | 0.14 | 9896 | 99.64 |
| 49 | 798 | Advanced | 12 | 0.12 | 9908 | 99.76 |
| 50 | 803 | Advanced | 4 | 0.04 | 9912 | 99.8 |
| 51 | 810 | Advanced | 6 | 0.06 | 9918 | 99.86 |
| 52-56 | 813 | Advanced | 14 | 0.14 | 9932 | 100 |

Table A20. Scale Score Frequency Distributions – Grade 5 Science

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-1 | 559 | Limited | 3 | 0 | 3 | 0 |
| 2 | 565 | Limited | 9 | 0.01 | 12 | 0.01 |
| 3 | 582 | Limited | 30 | 0.02 | 42 | 0.03 |
| 4 | 595 | Limited | 89 | 0.07 | 131 | 0.11 |
| 5 | 606 | Limited | 202 | 0.16 | 333 | 0.27 |
| 6 | 614 | Limited | 331 | 0.27 | 664 | 0.53 |
| 7 | 622 | Limited | 518 | 0.42 | 1182 | 0.95 |
| 8 | 629 | Limited | 769 | 0.62 | 1951 | 1.57 |
| 9 | 635 | Limited | 1036 | 0.83 | 2987 | 2.4 |
| 10 | 640 | Limited | 1275 | 1.02 | 4262 | 3.42 |
| 11 | 646 | Limited | 1432 | 1.15 | 5694 | 4.57 |
| 12 | 651 | Limited | 1704 | 1.37 | 7398 | 5.94 |
| 13 | 655 | Limited | 1867 | 1.5 | 9265 | 7.44 |
| 14 | 660 | Limited | 1964 | 1.58 | 11229 | 9.02 |
| 15 | 664 | Basic | 2159 | 1.73 | 13388 | 10.75 |
| 16 | 668 | Basic | 2352 | 1.89 | 15740 | 12.64 |
| 17 | 672 | Basic | 2411 | 1.94 | 18151 | 14.58 |
| 18 | 675 | Basic | 2560 | 2.06 | 20711 | 16.63 |
| 19 | 679 | Basic | 2743 | 2.2 | 23454 | 18.84 |
| 20 | 683 | Basic | 2832 | 2.27 | 26286 | 21.11 |
| 21 | 686 | Basic | 2945 | 2.37 | 29231 | 23.48 |
| 22 | 690 | Basic | 3115 | 2.5 | 32346 | 25.98 |
| 23 | 693 | Basic | 3251 | 2.61 | 35597 | 28.59 |
| 24 | 697 | Basic | 3317 | 2.66 | 38914 | 31.25 |
| 25 | 700 | Proficient | 3342 | 2.68 | 42256 | 33.94 |
| 26 | 703 | Proficient | 3365 | 2.7 | 45621 | 36.64 |
| 27 | 707 | Proficient | 3540 | 2.84 | 49161 | 39.48 |
| 28 | 710 | Proficient | 3604 | 2.89 | 52765 | 42.38 |
| 29 | 713 | Proficient | 3774 | 3.03 | 56539 | 45.41 |
| 30 | 717 | Proficient | 3655 | 2.94 | 60194 | 48.34 |
| 31 | 720 | Proficient | 3901 | 3.13 | 64095 | 51.48 |
| 32 | 723 | Proficient | 3972 | 3.19 | 68067 | 54.67 |
| 33 | 727 | Accelerated | 4043 | 3.25 | 72110 | 57.91 |
| 34 | 730 | Accelerated | 4006 | 3.22 | 76116 | 61.13 |
| 35 | 734 | Accelerated | 4009 | 3.22 | 80125 | 64.35 |
| 36 | 737 | Accelerated | 3822 | 3.07 | 83947 | 67.42 |
| 37 | 741 | Accelerated | 3848 | 3.09 | 87795 | 70.51 |
| 38 | 744 | Accelerated | 3919 | 3.15 | 91714 | 73.66 |
| 39 | 748 | Accelerated | 3707 | 2.98 | 95421 | 76.63 |
| 40 | 753 | Advanced | 3645 | 2.93 | 99066 | 79.56 |
| 41 | 756 | Advanced | 3429 | 2.75 | 102495 | 82.32 |
| 42 | 760 | Advanced | 3255 | 2.61 | 105750 | 84.93 |
| 43 | 765 | Advanced | 3088 | 2.48 | 108838 | 87.41 |
| 44 | 769 | Advanced | 2832 | 2.27 | 111670 | 89.68 |
| 45 | 774 | Advanced | 2585 | 2.08 | 114255 | 91.76 |
| 46 | 779 | Advanced | 2232 | 1.79 | 116487 | 93.55 |
| 47 | 785 | Advanced | 1976 | 1.59 | 118463 | 95.14 |
| 48 | 792 | Advanced | 1744 | 1.4 | 120207 | 96.54 |
| 49 | 799 | Advanced | 1400 | 1.12 | 121607 | 97.66 |
| 50 | 808 | Advanced | 1060 | 0.85 | 122667 | 98.52 |
| 51 | 818 | Advanced | 826 | 0.66 | 123493 | 99.18 |
| 52 | 831 | Advanced | 535 | 0.43 | 124028 | 99.61 |
| 53-55 | 845 | Advanced | 487 | 0.39 | 124515 | 100 |

Table A21. Scale Score Frequency Distributions – Grade 8 Science

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-1 | 575 | Limited | 56 | 0.04 | 56 | 0.04 |
| 2 | 578 | Limited | 160 | 0.13 | 216 | 0.17 |
| 3 | 597 | Limited | 316 | 0.25 | 532 | 0.42 |
| 4 | 610 | Limited | 674 | 0.53 | 1206 | 0.96 |
| 5 | 622 | Limited | 1103 | 0.88 | 2309 | 1.83 |
| 6 | 631 | Limited | 1659 | 1.32 | 3968 | 3.15 |
| 7 | 639 | Limited | 2146 | 1.7 | 6114 | 4.85 |
| 8 | 646 | Limited | 2558 | 2.03 | 8672 | 6.88 |
| 9 | 653 | Limited | 2883 | 2.29 | 11555 | 9.17 |
| 10 | 659 | Limited | 3106 | 2.46 | 14661 | 11.63 |
| 11 | 664 | Limited | 3253 | 2.58 | 17914 | 14.21 |
| 12 | 670 | Limited | 3340 | 2.65 | 21254 | 16.86 |
| 13 | 675 | Basic | 3513 | 2.79 | 24767 | 19.65 |
| 14 | 679 | Basic | 3441 | 2.73 | 28208 | 22.38 |
| 15 | 684 | Basic | 3469 | 2.75 | 31677 | 25.13 |
| 16 | 688 | Basic | 3612 | 2.87 | 35289 | 28 |
| 17 | 693 | Basic | 3584 | 2.84 | 38873 | 30.84 |
| 18 | 697 | Basic | 3670 | 2.91 | 42543 | 33.75 |
| 19 | 701 | Proficient | 3564 | 2.83 | 46107 | 36.58 |
| 20 | 704 | Proficient | 3673 | 2.91 | 49780 | 39.49 |
| 21 | 708 | Proficient | 3664 | 2.91 | 53444 | 42.4 |
| 22 | 712 | Proficient | 3874 | 3.07 | 57318 | 45.47 |
| 23 | 715 | Proficient | 3749 | 2.97 | 61067 | 48.45 |
| 24 | 719 | Proficient | 3764 | 2.99 | 64831 | 51.44 |
| 25 | 723 | Proficient | 3773 | 2.99 | 68604 | 54.43 |
| 26 | 726 | Accelerated | 3761 | 2.98 | 72365 | 57.41 |
| 27 | 729 | Accelerated | 3721 | 2.95 | 76086 | 60.37 |
| 28 | 733 | Accelerated | 3692 | 2.93 | 79778 | 63.29 |
| 29 | 736 | Accelerated | 3650 | 2.9 | 83428 | 66.19 |
| 30 | 740 | Accelerated | 3630 | 2.88 | 87058 | 69.07 |
| 31 | 743 | Accelerated | 3592 | 2.85 | 90650 | 71.92 |
| 32 | 746 | Accelerated | 3433 | 2.72 | 94083 | 74.64 |
| 33 | 750 | Accelerated | 3394 | 2.69 | 97477 | 77.34 |
| 34 | 753 | Accelerated | 3334 | 2.65 | 100811 | 79.98 |
| 35 | 757 | Accelerated | 3198 | 2.54 | 104009 | 82.52 |
| 36 | 760 | Accelerated | 2879 | 2.28 | 106888 | 84.8 |
| 37 | 764 | Accelerated | 2837 | 2.25 | 109725 | 87.05 |
| 38 | 768 | Advanced | 2636 | 2.09 | 112361 | 89.14 |
| 39 | 772 | Advanced | 2438 | 1.93 | 114799 | 91.08 |
| 40 | 776 | Advanced | 2135 | 1.69 | 116934 | 92.77 |
| 41 | 780 | Advanced | 1944 | 1.54 | 118878 | 94.32 |
| 42 | 784 | Advanced | 1631 | 1.29 | 120509 | 95.61 |
| 43 | 789 | Advanced | 1357 | 1.08 | 121866 | 96.69 |
| 44 | 794 | Advanced | 1203 | 0.95 | 123069 | 97.64 |
| 45 | 799 | Advanced | 934 | 0.74 | 124003 | 98.38 |
| 46 | 805 | Advanced | 737 | 0.58 | 124740 | 98.97 |
| 47 | 811 | Advanced | 503 | 0.4 | 125243 | 99.37 |
| 48 | 819 | Advanced | 336 | 0.27 | 125579 | 99.63 |
| 49 | 827 | Advanced | 216 | 0.17 | 125795 | 99.8 |
| 50 | 838 | Advanced | 135 | 0.11 | 125930 | 99.91 |
| 51 | 851 | Advanced | 64 | 0.05 | 125994 | 99.96 |
| 52-54 | 868 | Advanced | 49 | 0.04 | 126043 | 100 |

Table A22. Scale Score Frequency Distributions – High School Biology

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-1 | 617 | Limited | 68 | 0.05 | 68 | 0.05 |
| 2 | 618 | Limited | 151 | 0.11 | 219 | 0.17 |
| 3 | 631 | Limited | 387 | 0.29 | 606 | 0.46 |
| 4 | 641 | Limited | 756 | 0.57 | 1362 | 1.03 |
| 5 | 648 | Limited | 1225 | 0.92 | 2587 | 1.95 |
| 6 | 654 | Limited | 1920 | 1.45 | 4507 | 3.4 |
| 7 | 660 | Limited | 2571 | 1.94 | 7078 | 5.34 |
| 8 | 665 | Limited | 3081 | 2.32 | 10159 | 7.66 |
| 9 | 669 | Limited | 3571 | 2.69 | 13730 | 10.35 |
| 10 | 673 | Limited | 3747 | 2.83 | 17477 | 13.18 |
| 11 | 677 | Limited | 3932 | 2.96 | 21409 | 16.14 |
| 12 | 680 | Limited | 3764 | 2.84 | 25173 | 18.98 |
| 13 | 685 | Basic | 3815 | 2.88 | 28988 | 21.86 |
| 14 | 687 | Basic | 3901 | 2.94 | 32889 | 24.8 |
| 15 | 690 | Basic | 3745 | 2.82 | 36634 | 27.62 |
| 16 | 693 | Basic | 3872 | 2.92 | 40506 | 30.54 |
| 17 | 696 | Basic | 3845 | 2.9 | 44351 | 33.44 |
| 18 | 699 | Basic | 3644 | 2.75 | 47995 | 36.19 |
| 19 | 701 | Proficient | 3752 | 2.83 | 51747 | 39.02 |
| 20 | 704 | Proficient | 3675 | 2.77 | 55422 | 41.79 |
| 21 | 706 | Proficient | 3675 | 2.77 | 59097 | 44.56 |
| 22 | 709 | Proficient | 3568 | 2.69 | 62665 | 47.25 |
| 23 | 712 | Proficient | 3613 | 2.72 | 66278 | 49.97 |
| 24 | 714 | Proficient | 3587 | 2.7 | 69865 | 52.68 |
| 25 | 716 | Proficient | 3461 | 2.61 | 73326 | 55.29 |
| 26 | 719 | Proficient | 3476 | 2.62 | 76802 | 57.91 |
| 27 | 721 | Proficient | 3462 | 2.61 | 80264 | 60.52 |
| 28 | 724 | Proficient | 3410 | 2.57 | 83674 | 63.09 |
| 29 | 726 | Accelerated | 3442 | 2.6 | 87116 | 65.68 |
| 30 | 728 | Accelerated | 3244 | 2.45 | 90360 | 68.13 |
| 31 | 731 | Accelerated | 3238 | 2.44 | 93598 | 70.57 |
| 32 | 733 | Accelerated | 3085 | 2.33 | 96683 | 72.9 |
| 33 | 735 | Advanced | 2962 | 2.23 | 99645 | 75.13 |
| 34 | 738 | Advanced | 2922 | 2.2 | 102567 | 77.33 |
| 35 | 740 | Advanced | 2829 | 2.13 | 105396 | 79.47 |
| 36 | 743 | Advanced | 2776 | 2.09 | 108172 | 81.56 |
| 37 | 745 | Advanced | 2629 | 1.98 | 110801 | 83.54 |
| 38 | 748 | Advanced | 2462 | 1.86 | 113263 | 85.4 |
| 39 | 750 | Advanced | 2315 | 1.75 | 115578 | 87.15 |
| 40 | 753 | Advanced | 2144 | 1.62 | 117722 | 88.76 |
| 41 | 756 | Advanced | 2154 | 1.62 | 119876 | 90.39 |
| 42 | 759 | Advanced | 1895 | 1.43 | 121771 | 91.81 |
| 43 | 762 | Advanced | 1759 | 1.33 | 123530 | 93.14 |
| 44 | 765 | Advanced | 1636 | 1.23 | 125166 | 94.37 |
| 45 | 768 | Advanced | 1485 | 1.12 | 126651 | 95.49 |
| 46 | 772 | Advanced | 1270 | 0.96 | 127921 | 96.45 |
| 47 | 776 | Advanced | 1158 | 0.87 | 129079 | 97.32 |
| 48 | 780 | Advanced | 907 | 0.68 | 129986 | 98.01 |
| 49 | 784 | Advanced | 827 | 0.62 | 130813 | 98.63 |
| 50 | 790 | Advanced | 639 | 0.48 | 131452 | 99.11 |
| 51 | 796 | Advanced | 489 | 0.37 | 131941 | 99.48 |
| 52 | 803 | Advanced | 330 | 0.25 | 132271 | 99.73 |
| 53 | 812 | Advanced | 199 | 0.15 | 132470 | 99.88 |
| 54-56 | 823 | Advanced | 157 | 0.12 | 132627 | 100 |

Table A23. Scale Score Frequency Distributions – High School Physical Science

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-1 | 634 | Limited | 7 | 0.43 | 7 | 0.43 |
| 2 | 635 | Limited | 23 | 1.4 | 30 | 1.82 |
| 3 | 646 | Limited | 40 | 2.43 | 70 | 4.26 |
| 4 | 654 | Limited | 52 | 3.16 | 122 | 7.42 |
| 5 | 661 | Limited | 90 | 5.47 | 212 | 12.9 |
| 6 | 667 | Limited | 130 | 7.91 | 342 | 20.8 |
| 7 | 671 | Limited | 172 | 10.46 | 514 | 31.27 |
| 8 | 676 | Limited | 170 | 10.34 | 684 | 41.61 |
| 9 | 680 | Limited | 157 | 9.55 | 841 | 51.16 |
| 10 | 684 | Basic | 148 | 9 | 989 | 60.16 |
| 11 | 687 | Basic | 111 | 6.75 | 1100 | 66.91 |
| 12 | 690 | Basic | 100 | 6.08 | 1200 | 72.99 |
| 13 | 693 | Basic | 87 | 5.29 | 1287 | 78.28 |
| 14 | 696 | Basic | 64 | 3.89 | 1351 | 82.18 |
| 15 | 698 | Basic | 51 | 3.1 | 1402 | 85.28 |
| 16 | 701 | Proficient | 51 | 3.1 | 1453 | 88.38 |
| 17 | 703 | Proficient | 34 | 2.07 | 1487 | 90.45 |
| 18 | 706 | Proficient | 32 | 1.95 | 1519 | 92.4 |
| 19 | 708 | Proficient | 29 | 1.76 | 1548 | 94.16 |
| 20 | 710 | Proficient | 19 | 1.16 | 1567 | 95.32 |
| 21 | 712 | Proficient | 15 | 0.91 | 1582 | 96.23 |
| 22 | 714 | Proficient | 12 | 0.73 | 1594 | 96.96 |
| 23 | 717 | Proficient | 7 | 0.43 | 1601 | 97.38 |
| 24 | 719 | Proficient | 5 | 0.3 | 1606 | 97.69 |
| 25 | 721 | Proficient | 10 | 0.61 | 1616 | 98.3 |
| 26 | 723 | Proficient | 7 | 0.43 | 1623 | 98.72 |
| 27 | 725 | Accelerated | 6 | 0.36 | 1629 | 99.09 |
| 28 | 727 | Accelerated | 5 | 0.3 | 1634 | 99.39 |
| 29 | 729 | Accelerated | 0 | 0 | 1634 | 99.39 |
| 30 | 731 | Accelerated | 1 | 0.06 | 1635 | 99.45 |
| 31 | 733 | Accelerated | 2 | 0.12 | 1637 | 99.57 |
| 32 | 735 | Accelerated | 3 | 0.18 | 1640 | 99.76 |
| 33 | 737 | Accelerated | 0 | 0 | 1640 | 99.76 |
| 34 | 739 | Accelerated | 0 | 0 | 1640 | 99.76 |
| 35 | 741 | Accelerated | 0 | 0 | 1640 | 99.76 |
| 36 | 743 | Accelerated | 1 | 0.06 | 1641 | 99.82 |
| 37 | 745 | Accelerated | 1 | 0.06 | 1642 | 99.88 |
| 38 | 747 | Accelerated | 0 | 0 | 1642 | 99.88 |
| 39 | 749 | Accelerated | 0 | 0 | 1642 | 99.88 |
| 40 | 752 | Accelerated | 0 | 0 | 1642 | 99.88 |
| 41 | 754 | Advanced | 1 | 0.06 | 1643 | 99.94 |
| 42 | 757 | Advanced | 0 | 0 | 1643 | 99.94 |
| 43 | 759 | Advanced | 0 | 0 | 1643 | 99.94 |
| 44 | 762 | Advanced | 1 | 0.06 | 1644 | 100 |
| 45 | 765 | Advanced | 0 | 0 | 1644 | 100 |
| 46 | 768 | Advanced | 0 | 0 | 1644 | 100 |
| 47 | 772 | Advanced | 0 | 0 | 1644 | 100 |
| 48 | 776 | Advanced | 0 | 0 | 1644 | 100 |
| 49 | 780 | Advanced | 0 | 0 | 1644 | 100 |
| 50 | 785 | Advanced | 0 | 0 | 1644 | 100 |
| 51 | 790 | Advanced | 0 | 0 | 1644 | 100 |
| 52 | 797 | Advanced | 0 | 0 | 1644 | 100 |
| 53 | 805 | Advanced | 0 | 0 | 1644 | 100 |
| 54 | 815 | Advanced | 0 | 0 | 1644 | 100 |
| 55 | 815 | Advanced | 0 | 0 | 1644 | 100 |
| 56 | 815 | Advanced | 0 | 0 | 1644 | 100 |

Table A24. Scale Score Frequency Distributions – Grade 4 Social Studies

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-2 | 621 | Limited | 7 | 0.01 | 7 | 0.01 |
| 3 | 629 | Limited | 14 | 0.01 | 21 | 0.02 |
| 4 | 637 | Limited | 22 | 0.02 | 43 | 0.03 |
| 5 | 643 | Limited | 71 | 0.06 | 114 | 0.09 |
| 6 | 648 | Limited | 115 | 0.09 | 229 | 0.18 |
| 7 | 653 | Limited | 172 | 0.14 | 401 | 0.32 |
| 8 | 657 | Limited | 313 | 0.25 | 714 | 0.57 |
| 9 | 661 | Limited | 394 | 0.31 | 1108 | 0.88 |
| 10 | 664 | Limited | 571 | 0.46 | 1679 | 1.34 |
| 11 | 667 | Limited | 757 | 0.6 | 2436 | 1.94 |
| 12 | 670 | Limited | 901 | 0.72 | 3337 | 2.66 |
| 13 | 673 | Limited | 1103 | 0.88 | 4440 | 3.54 |
| 14 | 675 | Limited | 1167 | 0.93 | 5607 | 4.47 |
| 15 | 678 | Limited | 1368 | 1.09 | 6975 | 5.56 |
| 16 | 680 | Limited | 1486 | 1.18 | 8461 | 6.74 |
| 17 | 682 | Limited | 1604 | 1.28 | 10065 | 8.02 |
| 18 | 684 | Limited | 1761 | 1.4 | 11826 | 9.42 |
| 19 | 687 | Basic | 1852 | 1.48 | 13678 | 10.9 |
| 20 | 689 | Basic | 2072 | 1.65 | 15750 | 12.55 |
| 21 | 691 | Basic | 2210 | 1.76 | 17960 | 14.31 |
| 22 | 692 | Basic | 2286 | 1.82 | 20246 | 16.13 |
| 23 | 694 | Basic | 2352 | 1.87 | 22598 | 18.01 |
| 24 | 696 | Basic | 2449 | 1.95 | 25047 | 19.96 |
| 25 | 698 | Basic | 2530 | 2.02 | 27577 | 21.98 |
| 26 | 700 | Proficient | 2715 | 2.16 | 30292 | 24.14 |
| 27 | 702 | Proficient | 2761 | 2.2 | 33053 | 26.34 |
| 28 | 703 | Proficient | 2829 | 2.25 | 35882 | 28.6 |
| 29 | 705 | Proficient | 2890 | 2.3 | 38772 | 30.9 |
| 30 | 707 | Proficient | 3160 | 2.52 | 41932 | 33.42 |
| 31 | 709 | Proficient | 3156 | 2.52 | 45088 | 35.93 |
| 32 | 710 | Proficient | 3278 | 2.61 | 48366 | 38.54 |
| 33 | 712 | Proficient | 3297 | 2.63 | 51663 | 41.17 |
| 34 | 714 | Proficient | 3506 | 2.79 | 55169 | 43.97 |
| 35 | 716 | Proficient | 3511 | 2.8 | 58680 | 46.76 |
| 36 | 717 | Proficient | 3563 | 2.84 | 62243 | 49.6 |
| 37 | 719 | Proficient | 3776 | 3.01 | 66019 | 52.61 |
| 38 | 721 | Proficient | 3647 | 2.91 | 69666 | 55.52 |
| 39 | 723 | Proficient | 3708 | 2.96 | 73374 | 58.47 |
| 40 | 725 | Accelerated | 3713 | 2.96 | 77087 | 61.43 |
| 41 | 727 | Accelerated | 3857 | 3.07 | 80944 | 64.51 |
| 42 | 729 | Accelerated | 3775 | 3.01 | 84719 | 67.51 |
| 43 | 731 | Accelerated | 3770 | 3 | 88489 | 70.52 |
| 44 | 733 | Accelerated | 3658 | 2.92 | 92147 | 73.43 |
| 45 | 736 | Accelerated | 3596 | 2.87 | 95743 | 76.3 |
| 46 | 738 | Accelerated | 3616 | 2.88 | 99359 | 79.18 |
| 47 | 740 | Accelerated | 3515 | 2.8 | 102874 | 81.98 |
| 48 | 743 | Accelerated | 3338 | 2.66 | 106212 | 84.64 |
| 49 | 745 | Accelerated | 3155 | 2.51 | 109367 | 87.16 |
| 50 | 748 | Accelerated | 2949 | 2.35 | 112316 | 89.51 |
| 51 | 751 | Advanced | 2654 | 2.12 | 114970 | 91.62 |
| 52 | 754 | Advanced | 2327 | 1.85 | 117297 | 93.48 |
| 53 | 758 | Advanced | 2117 | 1.69 | 119414 | 95.16 |
| 54 | 761 | Advanced | 1810 | 1.44 | 121224 | 96.61 |
| 55 | 766 | Advanced | 1497 | 1.19 | 122721 | 97.8 |
| 56 | 770 | Advanced | 1126 | 0.9 | 123847 | 98.7 |
| 57 | 775 | Advanced | 758 | 0.6 | 124605 | 99.3 |
| 58 | 781 | Advanced | 473 | 0.38 | 125078 | 99.68 |
| 59 | 788 | Advanced | 243 | 0.19 | 125321 | 99.87 |
| 60 | 796 | Advanced | 121 | 0.1 | 125442 | 99.97 |
| 61-63 | 800 | Advanced | 40 | 0.03 | 125482 | 100 |

Table A25. Scale Score Frequency Distributions – Grade 6 Social Studies

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-1 | 541 | Limited | 1 | 0 | 1 | 0 |
| 2 | 542 | Limited | 6 | 0 | 7 | 0.01 |
| 3 | 560 | Limited | 12 | 0.01 | 19 | 0.02 |
| 4 | 573 | Limited | 23 | 0.02 | 42 | 0.03 |
| 5 | 584 | Limited | 37 | 0.03 | 79 | 0.06 |
| 6 | 593 | Limited | 87 | 0.07 | 166 | 0.14 |
| 7 | 600 | Limited | 150 | 0.12 | 316 | 0.26 |
| 8 | 607 | Limited | 253 | 0.21 | 569 | 0.46 |
| 9 | 613 | Limited | 370 | 0.3 | 939 | 0.77 |
| 10 | 618 | Limited | 531 | 0.43 | 1470 | 1.2 |
| 11 | 624 | Limited | 752 | 0.61 | 2222 | 1.82 |
| 12 | 628 | Limited | 881 | 0.72 | 3103 | 2.54 |
| 13 | 633 | Limited | 1070 | 0.87 | 4173 | 3.41 |
| 14 | 637 | Limited | 1215 | 0.99 | 5388 | 4.4 |
| 15 | 641 | Limited | 1374 | 1.12 | 6762 | 5.53 |
| 16 | 645 | Limited | 1460 | 1.19 | 8222 | 6.72 |
| 17 | 648 | Limited | 1514 | 1.24 | 9736 | 7.96 |
| 18 | 652 | Limited | 1667 | 1.36 | 11403 | 9.32 |
| 19 | 655 | Limited | 1721 | 1.41 | 13124 | 10.72 |
| 20 | 659 | Limited | 1758 | 1.44 | 14882 | 12.16 |
| 21 | 662 | Limited | 1888 | 1.54 | 16770 | 13.7 |
| 22 | 665 | Limited | 1932 | 1.58 | 18702 | 15.28 |
| 23 | 668 | Limited | 1924 | 1.57 | 20626 | 16.85 |
| 24 | 671 | Limited | 2046 | 1.67 | 22672 | 18.52 |
| 25 | 674 | Limited | 2077 | 1.7 | 24749 | 20.22 |
| 26 | 677 | Basic | 2161 | 1.77 | 26910 | 21.99 |
| 27 | 680 | Basic | 2213 | 1.81 | 29123 | 23.8 |
| 28 | 683 | Basic | 2335 | 1.91 | 31458 | 25.7 |
| 29 | 685 | Basic | 2336 | 1.91 | 33794 | 27.61 |
| 30 | 688 | Basic | 2396 | 1.96 | 36190 | 29.57 |
| 31 | 691 | Basic | 2508 | 2.05 | 38698 | 31.62 |
| 32 | 694 | Basic | 2492 | 2.04 | 41190 | 33.66 |
| 33 | 696 | Basic | 2628 | 2.15 | 43818 | 35.8 |
| 34 | 700 | Proficient | 2672 | 2.18 | 46490 | 37.99 |
| 35 | 702 | Proficient | 2603 | 2.13 | 49093 | 40.11 |
| 36 | 704 | Proficient | 2799 | 2.29 | 51892 | 42.4 |
| 37 | 707 | Proficient | 2825 | 2.31 | 54717 | 44.71 |
| 38 | 710 | Proficient | 2833 | 2.31 | 57550 | 47.02 |
| 39 | 713 | Proficient | 2894 | 2.36 | 60444 | 49.39 |
| 40 | 715 | Proficient | 3084 | 2.52 | 63528 | 51.91 |
| 41 | 718 | Proficient | 3162 | 2.58 | 66690 | 54.49 |
| 42 | 721 | Proficient | 3148 | 2.57 | 69838 | 57.06 |
| 43 | 725 | Accelerated | 3135 | 2.56 | 72973 | 59.63 |
| 44 | 727 | Accelerated | 3305 | 2.7 | 76278 | 62.33 |
| 45 | 730 | Accelerated | 3391 | 2.77 | 79669 | 65.1 |
| 46 | 733 | Accelerated | 3528 | 2.88 | 83197 | 67.98 |
| 47 | 737 | Accelerated | 3472 | 2.84 | 86669 | 70.82 |
| 48 | 740 | Accelerated | 3534 | 2.89 | 90203 | 73.7 |
| 49 | 744 | Accelerated | 3510 | 2.87 | 93713 | 76.57 |
| 50 | 748 | Accelerated | 3425 | 2.8 | 97138 | 79.37 |
| 51 | 752 | Accelerated | 3448 | 2.82 | 100586 | 82.19 |
| 52 | 756 | Advanced | 3344 | 2.73 | 103930 | 84.92 |
| 53 | 761 | Advanced | 3115 | 2.55 | 107045 | 87.47 |
| 54 | 766 | Advanced | 2938 | 2.4 | 109983 | 89.87 |
| 55 | 772 | Advanced | 2876 | 2.35 | 112859 | 92.22 |
| 56 | 778 | Advanced | 2472 | 2.02 | 115331 | 94.24 |
| 57 | 786 | Advanced | 2189 | 1.79 | 117520 | 96.02 |
| 58 | 794 | Advanced | 1774 | 1.45 | 119294 | 97.47 |
| 59 | 805 | Advanced | 1364 | 1.11 | 120658 | 98.59 |
| 60 | 817 | Advanced | 898 | 0.73 | 121556 | 99.32 |
| 61-63 | 829 | Advanced | 830 | 0.68 | 122386 | 100 |

Table A26. Scale Score Frequency Distributions – High School American Government

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-2 | 642 | Limited | 23 | 0.03 | 23 | 0.03 |
| 3 | 647 | Limited | 26 | 0.03 | 49 | 0.05 |
| 4 | 653 | Limited | 59 | 0.06 | 108 | 0.12 |
| 5 | 658 | Limited | 90 | 0.1 | 198 | 0.22 |
| 6 | 662 | Limited | 154 | 0.17 | 352 | 0.38 |
| 7 | 666 | Limited | 239 | 0.26 | 591 | 0.65 |
| 8 | 669 | Limited | 367 | 0.4 | 958 | 1.05 |
| 9 | 672 | Limited | 511 | 0.56 | 1469 | 1.61 |
| 10 | 675 | Limited | 767 | 0.84 | 2236 | 2.44 |
| 11 | 677 | Limited | 941 | 1.03 | 3177 | 3.47 |
| 12 | 679 | Limited | 1167 | 1.28 | 4344 | 4.75 |
| 13 | 681 | Limited | 1352 | 1.48 | 5696 | 6.23 |
| 14 | 683 | Limited | 1527 | 1.67 | 7223 | 7.89 |
| 15 | 685 | Limited | 1635 | 1.79 | 8858 | 9.68 |
| 16 | 687 | Basic | 1786 | 1.95 | 10644 | 11.63 |
| 17 | 689 | Basic | 1780 | 1.95 | 12424 | 13.58 |
| 18 | 691 | Basic | 1911 | 2.09 | 14335 | 15.67 |
| 19 | 693 | Basic | 1908 | 2.09 | 16243 | 17.75 |
| 20 | 694 | Basic | 2087 | 2.28 | 18330 | 20.03 |
| 21 | 696 | Basic | 2104 | 2.3 | 20434 | 22.33 |
| 22 | 697 | Basic | 2206 | 2.41 | 22640 | 24.75 |
| 23 | 699 | Basic | 2330 | 2.55 | 24970 | 27.29 |
| 24 | 701 | Proficient | 2303 | 2.52 | 27273 | 29.81 |
| 25 | 702 | Proficient | 2321 | 2.54 | 29594 | 32.35 |
| 26 | 704 | Proficient | 2345 | 2.56 | 31939 | 34.91 |
| 27 | 705 | Proficient | 2398 | 2.62 | 34337 | 37.53 |
| 28 | 707 | Proficient | 2418 | 2.64 | 36755 | 40.17 |
| 29 | 708 | Proficient | 2459 | 2.69 | 39214 | 42.86 |
| 30 | 709 | Proficient | 2487 | 2.72 | 41701 | 45.58 |
| 31 | 711 | Proficient | 2490 | 2.72 | 44191 | 48.3 |
| 32 | 712 | Proficient | 2536 | 2.77 | 46727 | 51.07 |
| 33 | 714 | Proficient | 2438 | 2.66 | 49165 | 53.74 |
| 34 | 715 | Proficient | 2440 | 2.67 | 51605 | 56.4 |
| 35 | 717 | Proficient | 2476 | 2.71 | 54081 | 59.11 |
| 36 | 718 | Proficient | 2373 | 2.59 | 56454 | 61.7 |
| 37 | 720 | Proficient | 2451 | 2.68 | 58905 | 64.38 |
| 38 | 721 | Proficient | 2372 | 2.59 | 61277 | 66.98 |
| 39 | 722 | Proficient | 2256 | 2.47 | 63533 | 69.44 |
| 40 | 724 | Proficient | 2255 | 2.46 | 65788 | 71.91 |
| 41 | 725 | Accelerated | 2284 | 2.5 | 68072 | 74.4 |
| 42 | 727 | Accelerated | 2207 | 2.41 | 70279 | 76.82 |
| 43 | 728 | Accelerated | 2212 | 2.42 | 72491 | 79.23 |
| 44 | 730 | Accelerated | 2108 | 2.3 | 74599 | 81.54 |
| 45 | 732 | Accelerated | 1899 | 2.08 | 76498 | 83.61 |
| 46 | 733 | Accelerated | 1822 | 1.99 | 78320 | 85.6 |
| 47 | 735 | Accelerated | 1834 | 2 | 80154 | 87.61 |
| 48 | 737 | Accelerated | 1680 | 1.84 | 81834 | 89.44 |
| 49 | 738 | Accelerated | 1560 | 1.71 | 83394 | 91.15 |
| 50 | 740 | Advanced | 1423 | 1.56 | 84817 | 92.71 |
| 51 | 742 | Advanced | 1289 | 1.41 | 86106 | 94.11 |
| 52 | 744 | Advanced | 1166 | 1.27 | 87272 | 95.39 |
| 53 | 747 | Advanced | 985 | 1.08 | 88257 | 96.47 |
| 54 | 749 | Advanced | 912 | 1 | 89169 | 97.46 |
| 55 | 752 | Advanced | 683 | 0.75 | 89852 | 98.21 |
| 56 | 755 | Advanced | 552 | 0.6 | 90404 | 98.81 |
| 57 | 758 | Advanced | 429 | 0.47 | 90833 | 99.28 |
| 58 | 762 | Advanced | 257 | 0.28 | 91090 | 99.56 |
| 59 | 767 | Advanced | 208 | 0.23 | 91298 | 99.79 |
| 60 | 773 | Advanced | 112 | 0.12 | 91410 | 99.91 |
| 61-63 | 774 | Advanced | 81 | 0.09 | 91491 | 100 |

**Table A27. Scale Score Frequency Distributions – High School American History**

| Raw Score | Scale Score | Performance Level | Frequency | Percent | Cumulative Frequency | Cumulative Percent |
| --- | --- | --- | --- | --- | --- | --- |
| 0-2 | 619 | Limited | 16 | 0.01 | 16 | 0.01 |
| 3 | 628 | Limited | 26 | 0.02 | 42 | 0.03 |
| 4 | 636 | Limited | 69 | 0.05 | 111 | 0.09 |
| 5 | 643 | Limited | 131 | 0.1 | 242 | 0.19 |
| 6 | 649 | Limited | 230 | 0.18 | 472 | 0.37 |
| 7 | 654 | Limited | 383 | 0.3 | 855 | 0.67 |
| 8 | 659 | Limited | 642 | 0.5 | 1497 | 1.18 |
| 9 | 663 | Limited | 920 | 0.72 | 2417 | 1.9 |
| 10 | 667 | Limited | 1295 | 1.02 | 3712 | 2.92 |
| 11 | 670 | Limited | 1613 | 1.27 | 5325 | 4.18 |
| 12 | 673 | Limited | 2013 | 1.58 | 7338 | 5.77 |
| 13 | 676 | Limited | 2287 | 1.8 | 9625 | 7.56 |
| 14 | 679 | Limited | 2501 | 1.97 | 12126 | 9.53 |
| 15 | 682 | Limited | 2638 | 2.07 | 14764 | 11.6 |
| 16 | 684 | Basic | 2692 | 2.12 | 17456 | 13.72 |
| 17 | 687 | Basic | 2755 | 2.17 | 20211 | 15.88 |
| 18 | 689 | Basic | 2725 | 2.14 | 22936 | 18.02 |
| 19 | 691 | Basic | 2679 | 2.11 | 25615 | 20.13 |
| 20 | 693 | Basic | 2738 | 2.15 | 28353 | 22.28 |
| 21 | 695 | Basic | 2757 | 2.17 | 31110 | 24.45 |
| 22 | 698 | Basic | 2820 | 2.22 | 33930 | 26.66 |
| 23 | 699 | Basic | 2821 | 2.22 | 36751 | 28.88 |
| 24 | 701 | Proficient | 2904 | 2.28 | 39655 | 31.16 |
| 25 | 703 | Proficient | 2903 | 2.28 | 42558 | 33.44 |
| 26 | 705 | Proficient | 2894 | 2.27 | 45452 | 35.72 |
| 27 | 707 | Proficient | 2919 | 2.29 | 48371 | 38.01 |
| 28 | 709 | Proficient | 2969 | 2.33 | 51340 | 40.35 |
| 29 | 711 | Proficient | 2959 | 2.33 | 54299 | 42.67 |
| 30 | 712 | Proficient | 3005 | 2.36 | 57304 | 45.03 |
| 31 | 714 | Proficient | 3133 | 2.46 | 60437 | 47.49 |
| 32 | 716 | Proficient | 3127 | 2.46 | 63564 | 49.95 |
| 33 | 717 | Proficient | 3140 | 2.47 | 66704 | 52.42 |
| 34 | 719 | Proficient | 3168 | 2.49 | 69872 | 54.91 |
| 35 | 721 | Proficient | 3208 | 2.52 | 73080 | 57.43 |
| 36 | 723 | Proficient | 3242 | 2.55 | 76322 | 59.98 |
| 37 | 724 | Proficient | 3113 | 2.45 | 79435 | 62.42 |
| 38 | 726 | Accelerated | 3130 | 2.46 | 82565 | 64.88 |
| 39 | 728 | Accelerated | 3120 | 2.45 | 85685 | 67.34 |
| 40 | 730 | Accelerated | 3123 | 2.45 | 88808 | 69.79 |
| 41 | 732 | Accelerated | 2997 | 2.36 | 91805 | 72.14 |
| 42 | 733 | Accelerated | 3158 | 2.48 | 94963 | 74.63 |
| 43 | 735 | Accelerated | 2953 | 2.32 | 97916 | 76.95 |
| 44 | 737 | Accelerated | 2974 | 2.34 | 100890 | 79.28 |
| 45 | 739 | Advanced | 2941 | 2.31 | 103831 | 81.6 |
| 46 | 742 | Advanced | 2796 | 2.2 | 106627 | 83.79 |
| 47 | 744 | Advanced | 2667 | 2.1 | 109294 | 85.89 |
| 48 | 746 | Advanced | 2550 | 2 | 111844 | 87.89 |
| 49 | 748 | Advanced | 2377 | 1.87 | 114221 | 89.76 |
| 50 | 751 | Advanced | 2296 | 1.8 | 116517 | 91.56 |
| 51 | 754 | Advanced | 2092 | 1.64 | 118609 | 93.21 |
| 52 | 756 | Advanced | 1854 | 1.46 | 120463 | 94.67 |
| 53 | 760 | Advanced | 1675 | 1.32 | 122138 | 95.98 |
| 54 | 763 | Advanced | 1399 | 1.1 | 123537 | 97.08 |
| 55 | 766 | Advanced | 1163 | 0.91 | 124700 | 98 |
| 56 | 770 | Advanced | 863 | 0.68 | 125563 | 98.67 |
| 57 | 775 | Advanced | 703 | 0.55 | 126266 | 99.23 |
| 58 | 780 | Advanced | 459 | 0.36 | 126725 | 99.59 |
| 59 | 787 | Advanced | 273 | 0.21 | 126998 | 99.8 |
| 60 | 795 | Advanced | 163 | 0.13 | 127161 | 99.93 |
| 61-63 | 800 | Advanced | 90 | 0.07 | 127251 | 100 |