

Vertical Scaled Scores: Winter 2022/2023 Growth Assessments for Grades 3-8 Mathematics

Steps:

- 1) Near the top of your child's score report, find the name of the test (see number 1 to the right).
In the table below, find the row that matches the name of the test.
- 2) Find the Vertical Scaled Score on your child's Student Detail by Question (SDBQ) report (see number 2 to the right).
- 3) In the Mathematics table below (see number 3 below), find the row with the same test name and locate the range of scores that includes your child's Vertical Scaled Score. Refer to the column header for the range (Range 1 - 4) that includes your child's Vertical Scaled Score.
- 4) Using the graphic (see number 4 below), find the description of the quartile range in which your child's score falls.
- 5) The additional information on the score report (see number 5 to the right) indicates the types of questions your child answered correctly and incorrectly. Parents are encouraged to talk with their child's teacher for suggestions about how to best support their child's individual needs.

Student Name
State Testing Identifier: 1010000000
Grade: 3 Group: Winter 2022/2023
School: 0000 - EXAMPLE ES
Division: 000 - EXAMPLE COUNTY

Student Detail by Question

GR 3 MATHEMATICS GROWTH CAT 1

Vertical Scaled Score: **1450** 2

The item descriptor, SOL measured, and level of difficulty for each test question presented to the student during this Gr 3 Mathematics Growth CAT test are grouped by reporting category and shown below.

| Item Difficulty | H | M | L | Item Descriptor and SOL Measured | ✓ | X |
|--|---|---|---|---|---|---|
| Reporting Category: Number and Number Sense | | | | | | |
| X | | | | Compare fractions using models, words, and/or symbols. (3.2C) | | |
| X | | | | Compare fractions using models, words, and/or symbols. (3.2C) | | |
| X | | | | Read and write numbers with no more than six digits. (3.1A) | | |
| ✓ | | | | Round numbers to a specified place value. (3.1B) | | |
| ✓ | | | | Model fractions and mixed numbers. (3.2B) | | |
| Reporting Category: Computation and Estimation | | | | | | |
| X | | | | Solve single-step and multistep practical problems involving estimation, sums, and differences of whole numbers. (3.3B) | | |
| ✓ | | | | Create or solve practical problems involving multiplication. (3.4D) | | |
| ✓ | | | | Solve problems involving addition or subtraction of proper fractions with like denominators using models. (3.5) | | |
| ✓ | | | | Create or solve practical problems involving multiplication. (3.4D) | | |
| ✓ | | | | Solve problems involving addition or subtraction of proper fractions with like denominators using models. (3.5) | | |
| Reporting Category: Measurement and Geometry | | | | | | |
| X | | | | Estimate or measure length in U.S. Customary or metric units. (3.7A) | | |
| X | | | | Describe the polygons resulting from combining or subdividing figures. (3.12C) | | |
| X | | | | Compare values of sets of coins and bills and make change. (3.6C) | | |
| ✓ | | | | Compare values of sets of coins and bills and make change. (3.6B) | | |
| ✓ | | | | Estimate or determine the perimeter or area of a given figure. (3.8A) | | |
| ✓ | | | | Solve practical problems to determine elapsed time in one-hour increments. (3.9B) | | |
| Reporting Category: Probability, Statistics, Patterns, Functions, and Algebra | | | | | | |
| X | | | | Represent all possible outcomes of an event. (3.14) | | |
| ✓ | | | | Construct or identify a bar graph or pictograph that represents collected data. (3.15A) | | |
| ✓ | | | | Identify the missing element in a pattern. (3.16) | | |
| ✓ | | | | Demonstrate equality in equations. (3.17) | | |

| | Range 1 | Range 2 | Range 3 | Range 4 |
|----------------------------|-------------------|-------------------|-------------------|-------------------|
| Grade 3 Mathematics | 1059 through 1288 | 1289 through 1356 | 1357 through 1416 | 1417 through 1770 |
| Grade 4 Mathematics | 1059 through 1345 | 1346 through 1400 | 1401 through 1461 | 1462 through 1828 |
| Grade 5 Mathematics | 1052 through 1393 | 1394 through 1461 | 1462 through 1532 | 1533 through 1836 |
| Grade 6 Mathematics | 1060 through 1441 | 1442 through 1498 | 1499 through 1550 | 1551 through 1832 |
| Grade 7 Mathematics | 1110 through 1477 | 1478 through 1539 | 1540 through 1594 | 1595 through 1832 |
| Grade 8 Mathematics | 1170 through 1510 | 1511 through 1567 | 1568 through 1621 | 1622 through 1815 |

| Range 1 | Range 2 | Range 3 | Range 4 |
|--|--|---------|---|
| The student's score fell in the lowest 25% of all scores across the state in winter 2022/2023. | The student's score fell in the middle 50% of all scores across the state in winter 2022/2023. | | The student's score fell in the highest 25% of all scores across the state in winter 2022/2023. |
| 25% | 25% | 25% | 25% |

| Range 1 | Range 2 | Range 3 | Range 4 |
|--|--|---------|---|
| The student's score fell in the lowest 25% of all scores across the state in winter 2022/2023. | The student's score fell in the middle 50% of all scores across the state in winter 2022/2023. | | The student's score fell in the highest 25% of all scores across the state in winter 2022/2023. |
| 25% | 25% | 25% | 25% |