

# Vertical Scaled Scores: Fall 2022 Growth Assessments for Grades 3-8 Mathematics

Steps:

- 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.
- Find the Vertical Scaled Score on your child's Student Detail by Question (SDBQ) report (see number 2 to the right).
- 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.
- Using the graphic (see number 4 below), find the description of the quartile range in which your child's score falls.
- 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: Fall 2022  
 School: 0000 – EXAMPLE ES  
 Division: 000 – EXAMPLE COUNTY

*Student Detail by Question*

Fall 2022  
Virginia Assessment Program

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**GR 3 MATHEMATICS GROWTH CAT**
1

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Vertical Scaled Score: **1282**
2

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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.

H Item difficulty level is high.      ✓ Student answered item correctly.  
 M Item difficulty level is medium.    ✗ Student answered item incorrectly  
 L Item difficulty level is low.         or did not provide a response.

Reporting Category	
Number and Number Sense	
Item Difficulty	Item Descriptor and SOL Measured
H M L	
✗	Model fractions and mixed numbers. (3.2B)
✗	Round numbers to a specified place value. (3.1B)
✗	Compare fractions using models, words, and/or symbols. (3.2C)
✓	Compare and order whole numbers. (3.1C)
✓	Write and represent fractions and mixed numbers using models. (3.2A)

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Reporting Category	
Computation and Estimation	
Item Difficulty	Item Descriptor and SOL Measured
H M L	
✗	Solve problems involving estimation, addition, or subtraction of whole numbers. (3.3A)
✗	Solve problems involving addition or subtraction of proper fractions with like denominators using models. (3.5)
✓	Recognize and write related equations for a given multiplication or division basic fact sentence. (3.4A)
✓	Use a variety of models to represent multiplication or division facts. (3.4A)
✓	Solve problems involving addition or subtraction of proper fractions with like denominators using models. (3.5)

Reporting Category	
Measurement and Geometry	
Item Difficulty	Item Descriptor and SOL Measured
H M L	
✗	Estimate or determine the perimeter or area of a given figure. (3.8B)
✗	Identify equivalent periods of time. (3.9C)
✗	Identify representations of geometric figures, including polygons. (3.12A)
✗	Identify representations of geometric figures, including polygons. (3.12A)
✓	Compare values of sets of coins and bills and make change. (3.6A)
✓	Solve practical problems to determine elapsed time in one-hour increments. (3.9B)

Reporting Category	
Probability, Statistics, Patterns, Functions, and Algebra	
Item Difficulty	Item Descriptor and SOL Measured
H M L	
✗	Identify the likelihood of an event. (3.14)
✗	Design data investigations. (3.15A)
✗	Recognize, describe, and extend patterns in various forms. (3.16)
✓	Demonstrate equality in equations. (3.17)

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	Range 1	Range 2	Range 3	Range 4
<b>Grade 3 Mathematics</b>	1059 through 1229	1230 through 1292	1293 through 1359	1360 through 1770
<b>Grade 4 Mathematics</b>	1059 through 1317	1318 through 1366	1367 through 1415	1416 through 1828
<b>Grade 5 Mathematics</b>	1052 through 1353	1354 through 1408	1409 through 1462	1463 through 1836
<b>Grade 6 Mathematics</b>	1060 through 1409	1410 through 1461	1462 through 1506	1507 through 1832
<b>Grade 7 Mathematics</b>	1187 through 1450	1451 through 1507	1508 through 1563	1564 through 1832
<b>Grade 8 Mathematics</b>	1170 through 1486	1487 through 1532	1533 through 1579	1580 through 1815

	Range 1	Range 2	Range 3	Range 4
<b>4</b>	The student's score fell in the lowest 25% of all scores across the state in fall 2022.	The student's score fell in the middle 50% of all scores across the state in fall 2022.		The student's score fell in the highest 25% of all scores across the state in fall 2022.
	<b>25%</b>	<b>25%</b>	<b>25%</b>	<b>25%</b>

# Vertical Scaled Scores: Fall 2022 Growth Assessments for Grades 3-8 Reading

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 Reading table (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 above) 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: Fall 2022  
 School: 0000 – EXAMPLE ES  
 Division: 000 – EXAMPLE COUNTY

**Student Detail by Question**

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**GR 3 READING GROWTH CAT** 1

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Vertical Scaled Score: **1312** 2

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

H	Item difficulty level is high.	✓	Student answered item correctly.
M	Item difficulty level is medium.	✗	Student answered item incorrectly or did not provide a response.
L	Item difficulty level is low.		

**Reporting Category**  
Demonstrate comprehension of fictional texts and use word analysis strategies

Item Difficulty	H	M	L	Item Descriptor and SOL Measured
X				Summarize plot events in the correct sequence. (3.5E)
X				Draw conclusions or make inferences. (3.5H)
X				Apply knowledge of homophones. (3.4A)
X				Make predictions based on textual evidence. (3.5C)
X				Discriminate among details. (3.5E)
X				Compare characters, settings, or events. (3.5D)
X				Make predictions based on textual evidence. (3.5C)
✓				Use context to determine meanings of words. (3.4D)
✓				Identify the setting. (3.5D)
✓				Discriminate among details. (3.5E)
✓				Identify the theme of a story. (3.5J)

**Reporting Category**  
Demonstrate comprehension of nonfiction texts and use word analysis strategies

Item Difficulty	H	M	L	Item Descriptor and SOL Measured
X				Demonstrate understanding of the author's purpose. (3.6A)
X				Determine which question is answered in a text. (3.6D)
X				Use context to determine meanings of words. (3.4D)
X				Discriminate among details. (3.6H)
✓				Draw conclusions or make inferences. (3.6E)
✓				Draw conclusions or make inferences. (3.6E)

	Range 1	Range 2	Range 3	Range 4
<b>Grade 3 Reading</b>	970 through 1286	1287 through 1391	1392 through 1494	1495 through 1870
<b>Grade 4 Reading</b>	970 through 1387	1388 through 1489	1490 through 1576	1577 through 1920
<b>Grade 5 Reading</b>	1013 through 1442	1443 through 1534	1535 through 1619	1620 through 1929
<b>Grade 6 Reading</b>	1050 through 1487	1488 through 1584	1585 through 1665	1666 through 1977
<b>Grade 7 Reading</b>	1100 through 1531	1532 through 1623	1624 through 1703	1704 through 1935
<b>Grade 8 Reading</b>	1150 through 1543	1544 through 1631	1632 through 1707	1708 through 1943

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