

# Item Analysis Guide

This document is posted online at <https://www3.ride.ri.gov/ADP/Default/ItemAnalysis> or <https://ride.ri.gov/instruction-assessment/assessment/assessment-results>

## What is the RIDE Assessment Data Portal?

The RIDE Assessment Data Portal is an open link to aggregate data dashboard visualizations and downloads that provide an in-depth presentation of assessment results data by school year at the state, district, and school levels, including by grade and/or student subgroups for all Rhode Island state assessments.

The RIDE Assessment Data Portal provides an overall item analysis of the RICAS assessment. This item analysis provides the user with a visualization of the **average number of points** or, **average percentage of points** earned on each item, by grade and content. This data includes raw scores only and cannot be used to predict proficiency levels, however, can be used to analyze overall performance by content strand or domain, item type and standard.

## Frequently Asked Questions

- The scores reported are the average number or average percent of earned raw score points.
- Scores are calculated by item including students who attempted the item (non-attempts are not included in the average).
- Students who took paper-based tests are not included in aggregations.
- Outplaced students are included in district aggregations.
- Data is suppressed where the minimum reporting requirement (at least 10 students) is not met.

To begin, choose the RICAS **content area**, **administration year**, **district or school** and **grade**, that you wish to view. Click the **“Item Analysis”** button at the top of the screen when you have completed setting your parameters.

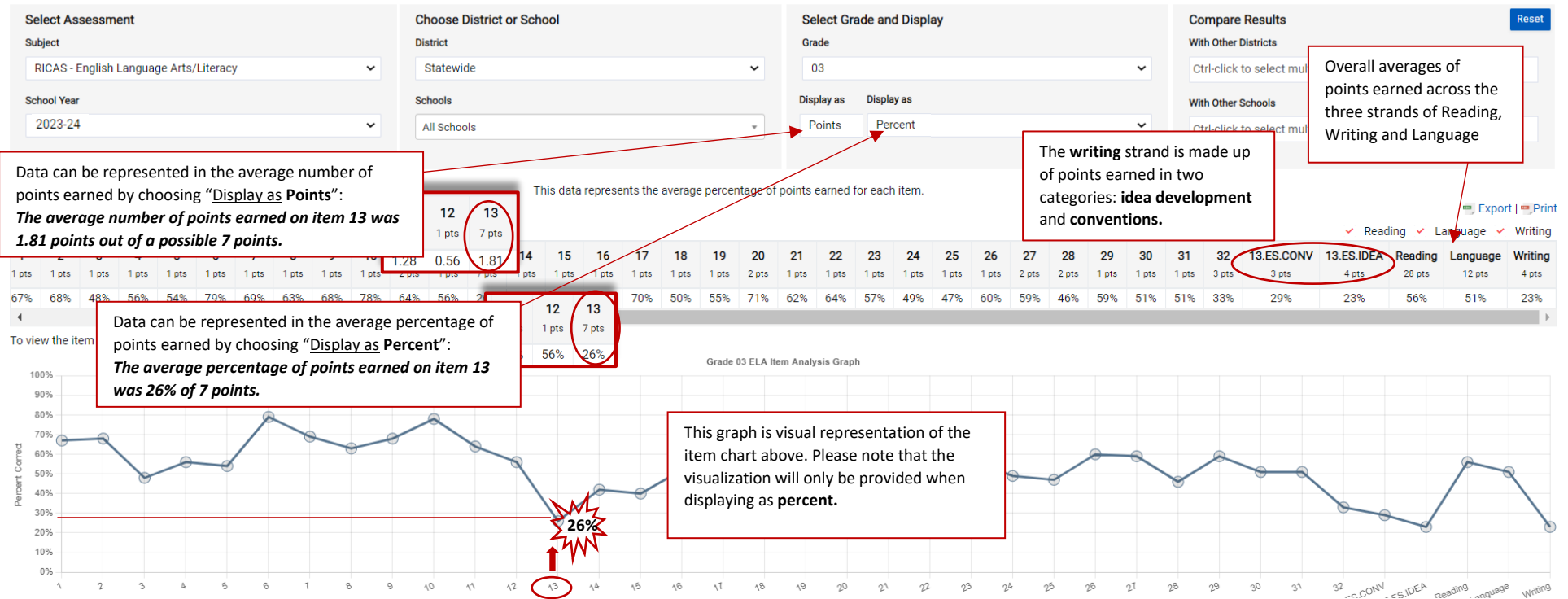
The screenshot shows the RIDE Assessment Data Portal interface. At the top, there is a navigation bar with the title "Assessment Data Portal" and the Rhode Island Department of Education logo. A red arrow points to the "Item Analysis" button in the top right corner. Below the navigation bar, there is a welcome message. The main content area contains several filter sections: "Select Assessment" with a dropdown for "Subject" (set to "RICAS - English Language Arts/Literacy") and a dropdown for "School Year" (set to "2022-23"); "Choose District or School" with a dropdown for "District" (set to "Statewide") and a dropdown for "Schools" (set to "All Schools"); and "Compare Results" with a dropdown for "By Student Group" (set to "All Students") and a dropdown for "By Grade" (set to "All Grades"). There are also sections for "With Other Districts" and "With Other Schools", each with a "Ctrl-click to select multiple" prompt. A legend at the bottom left shows four categories: "1-Not Meeting Expectations" (red), "2-Partially Meeting Expectations" (yellow), "3-Meeting Expectations" (green), and "4-Exceeding Expectations" (blue). The title "RICAS - English Language Arts/Literacy" is displayed at the bottom left.

## RICAS ELA Item Analysis

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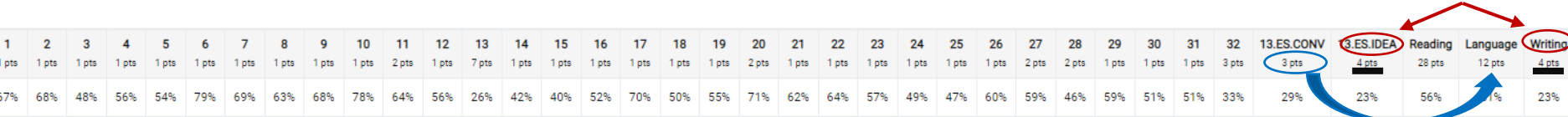
This page of the Rhode Island Public Assessment Data Portal includes the Item Level Analysis tool to assist schools and districts in utilizing the RICAS assessment data. After selecting an assessment, choose options from the various filters to customize the data displayed. All test items are displayed including ES (essay), CR (constructed response), SR (selected response), and SA (short answer). Please see the [Item Analysis Guidance Document](#) for additional information.

### Item Level Analysis



The item analysis tool will display each item on the chosen assessment and the **average percentage**, or *number of points* earned on that item across the state or district.

When looking at the **writing** strand in this visualization, it is important to note that the total number of possible points for **writing comes from the student’s idea development score**. The written response item is scored on both idea development and conventions. The points earned in conventions are part of the language strand which includes both conventions and selected response items that align to language standards. See visual below:



To use the item analysis tool in a meaningful way, it is necessary to know the alignment between the item and the standard. By clicking on the total number of students highlighted in blue, an interactive item level analysis chart will appear. This chart includes the following information:

RICAS - English Language Arts/Literacy

This data represents

Name	Students	1	2	3	4	5	6	7	
		1 pts	1 pts	1 pts	1 pts	1 pts	1 pts	1 pts	1
2022-23 : Statewide : Grade: 03	9615	67%	68%	48%	56%	54%	79%	69%	6

Reporting Category	ELA 3-8: Reading, Writing, Language
Standard	Refers to the standard in the Rhode Island Core Standards
Item Type ELA	selected response (SR), constructed response (CR), essay (ES) Math
Correct Answer	Correct answer to the item; blanks in this column indicate a student produced response
Release Status	This field indicates if the item content was released or not released.
Possible Points	The maximum possible raw score points for the item or reporting category.
Average Number of Points or Percent of Points	The average raw score points earned by the grade-level group (state, district, school).

2023-24: RICAS - English Language Arts/Literacy: Grade 03: Item Analysis Report for the State of Rhode Island

Number of students included: 9389

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Item Number	Reporting Category	Standard	Item Type	Item Description	Correct Answer	Release Status	Possible Points	State	
								pts	%
1	Reading	RL.3.5	SR	Determine the main theme of the passage.	C	Released	1	0.67	67%
2	Reading	RL.3.1	SR	Determine the main theme of the passage.	D	Released	1	0.68	68%
3	Language	L.3.5	SR	Determine the main theme of the passage.	B	Released	1	0.48	48%
4	Reading	RL.3.1	SR	Determine the main theme of the passage.	A	Released	1	0.56	56%
5	Language	L.3.4	SR	Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.	D	Released	1	0.54	54%
6	Reading	RL.3.3	SR	Determine what a specific paragraph shows about a character.	B	Released	1	0.79	79%
7	Language	L.3.2	SR	Determine the purpose of punctuation used in the passage.	B	Released	1	0.69	69%
8	Reading	RL.3.3	SR	Determine the cause of an event from the passage.	C	Released	1	0.63	63%
9	Reading	RL.3.4	SR	Interpret what a word suggests about a character in the passage.	C	Released	1	0.68	68%
10	Reading	RL.3.1	SR	Determine which event occurred first in the passage.	B	Released	1	0.78	78%
11	Reading	RL.3.5	SR	Identify solutions to the problems described in the passage.		Released	2	1.28	64%
12	Reading	RL.3.2	SR	Determine the central message of the passage.	D	Released	1	0.56	56%

ELA | RL.3.1

Grade3Reading Literacy

ClusterKey Ideas and Details

Click on the standard to see the strand, cluster, and the language of the specific grade level standard.

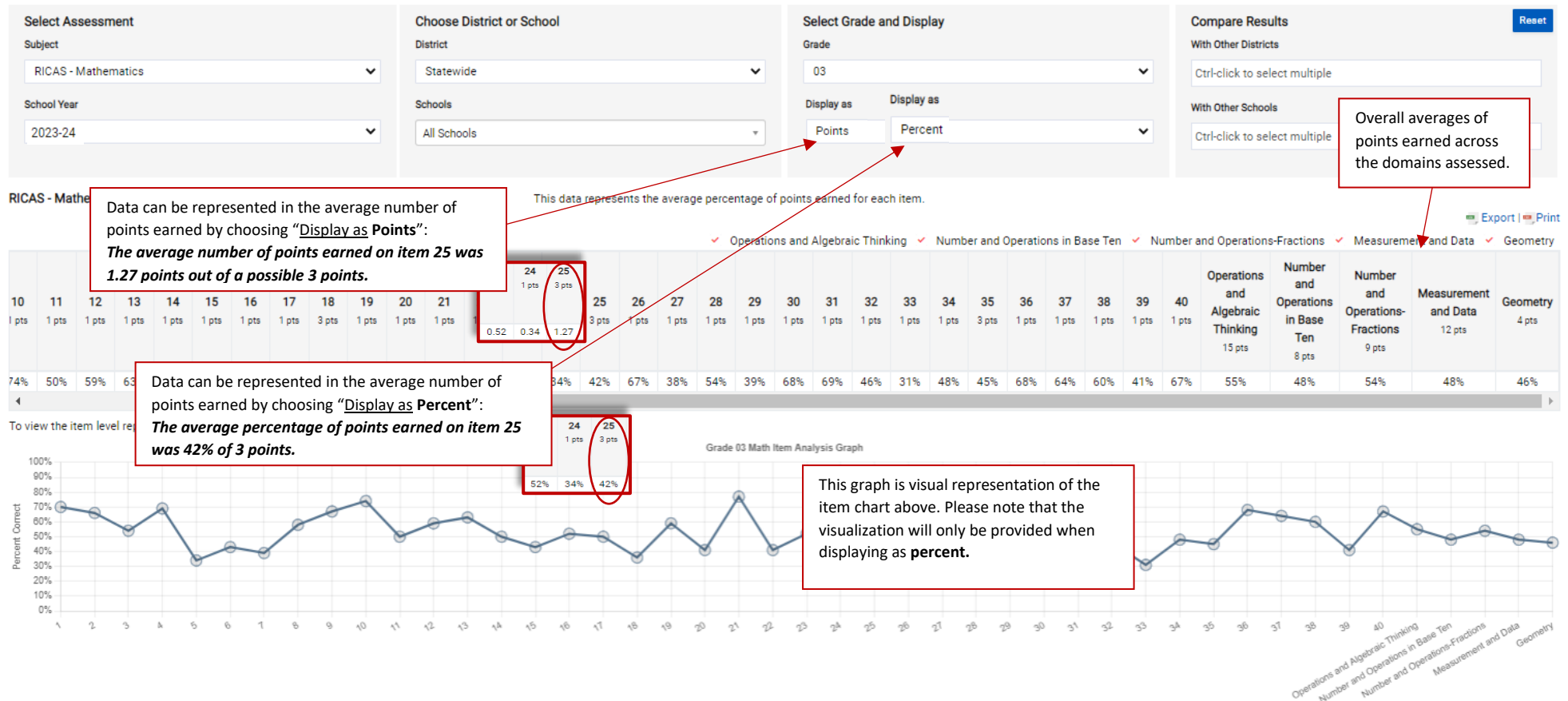
RL.3.1

Ask and answer questions to demonstrate understanding of a text, referring explicitly to the text as the basis for the answers.

# RICAS Math Item Analysis

This page of the Rhode Island Public Assessment Data Portal includes the Item Level Analysis tool to assist schools and districts in utilizing the RICAS assessment data. After selecting an assessment, choose options from the various filters to customize the data displayed. All test items are displayed including ES (essay), CR (constructed response), SR (selected response), and SA (short answer). Please see the [Item Analysis Guidance Document](#) for additional information.

## Item Level Analysis



Data can be represented in the average number of points earned by choosing "Display as Points":  
**The average number of points earned on item 25 was 1.27 points out of a possible 3 points.**

Data can be represented in the average number of points earned by choosing "Display as Percent":  
**The average percentage of points earned on item 25 was 42% of 3 points.**

Overall averages of points earned across the domains assessed.

To use the item analysis tool in a meaningful way, it is necessary to know the alignment between the item and the standard. By clicking on the total number of students highlighted in blue, an interactive item level analysis chart will appear. This chart includes the following information:

#### RICAS - Mathematics

Name	Students	1 1 pts	2 1 pts	3 1 pts	4 1 pts	5 1 pts	6 1 pts	7 1 pts
2023-24 : Statewide : Grade: 03 : Mode: Online: Group: All Groups	9568	75%	66%	63%	61%	37%	32%	50%

<b>Reporting Category</b>	Math 3-5: Geometry, Measurement & Data, Number & Operations in Base Ten, Number & Operations—Fractions, Operations & Algebraic Thinking Math 6-7: Expressions and Equations, Geometry, Ratios and Proportional Relationships, Statistics and Probability, The Number System Math 8: Number System & Expressions/Equations, Functions, Geometry, Statistics and Probability
<b>Standard</b>	Refers to the standard in the Rhode Island Core Standards
<b>Item Type Math</b>	selected response (SR), short answer (SA), constructed response (CR)
<b>Correct Answer</b>	Correct answer to the item; blanks in this column indicate a student produced response
<b>Release Status</b>	This field indicates if the item content was released or not released.
<b>Possible Points</b>	The maximum possible raw score points for the item or reporting category.
<b>Average Number of Points or Percentage of Points</b>	The average raw score points earned by the grade-level group (state, district, school).

2023-24: RICAS - Mathematics: Grade 03: Item Analysis Report for the State of Rhode Island

Number of students included: 9568

Export | Print

Item Number	Reporting Category	Standard	Item Type	Item Description	Correct Answer	Release Status	Possible Points	State	
								pts	%
1	Operations and Algebraic Thinking	3.OA.A.3	SR	Solve a word problem involving division of two whole numbers.	D	Released	1	0.70	70%
2	Operations and Algebraic Thinking	3.OA.D.9	SA	Math   3.MD.A.2 Grade 3 Strand Measurement and Data Cluster Solve problems involving measurement and estimation of intervals of time, liquid volume, and mass.	43	Released	1	0.66	66%
3	Measurement and Data	3.MD.A.2	SA	3.MD.A.2 Measure and estimate liquid volumes and masses of objects using standard metric units of grams (g), kilograms (kg), and liters (l). Add, subtract, multiply, or divide to solve one-step problems involving masses or volumes that are given in the same metric units (e.g., by using drawings (such as a beaker with a measurement scale) to represent the problem). (Note: Excludes compound units such as cm3 and finding the geometric volume of a container. Excludes multiplicative comparison problems (problems involving notions of "times as much"). Glossary: Table 2.)		Released	1	0.54	54%
4	Operations and Algebraic Thinking	3.OA.B.5	SA	Identify shapes with right angles.	8	Released	1	0.69	69%
5	Geometry	3.G.A.1	SR	Choose the statement that correctly compares two fractions with the same numerator or denominator.	E, B, C	Released	1	0.34	34%
6	Number and Operations- Fractions	3.NF.A.3	SR		D	Released	1	0.43	43%

Click on the standard to see the strand, cluster, and the language of the specific grade level standard.