

## 7.0 Evidence Statement Analysis Report

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### 7.1 Description of Evidence Statement Analysis Report – CMAS Mathematics, ELA, and CSLA

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An Evidence Statement Analysis Report is available at the school and district levels for each grade level and content area assessment (ELA grades 3 through 8; CSLA grades 3 and 4; mathematics grades 3 through 8). The report includes item level score information at the school, district, and state levels. The second page of the report includes item map information related to the Colorado Academic Standards (CAS). Sample Evidence Statement Analysis Reports are displayed in Sections 7.2 and 7.3.

Information included on the Evidence Statement Analysis Report can be used to identify patterns of evidence statements where a school is performing better or worse than the district or state or where a district is performing better or worse than the state. For example, within a particular evidence statement, a school within a district may be out-performing the district and the state while the school may be performing worse than the district and the state in another evidence statement. In combination with other evidence and data, schools and districts can use the information in this report to identify patterns across evidence statements that may be indicative of potential areas of strength or weakness.

#### 7.1.1 General Information

Refer to page 1 of the Evidence Statement Analysis Report.

**A. Test Date**

The administration season and year.

**B. Identification Information**

The names and codes of the school and district.

**C. Content Area /Subject**

The content area/subject of the report (mathematics, ELA, or CSLA).

**D. Grade**

The grade level of the assessment.

#### 7.1.2 Evidence Statement Analysis Information

Refer to page 1 of the Evidence Statement Analysis. **Note:** For mathematics, writing tasks are not included. For this reason, there are no markers for J and K on the sample Mathematics Evidence Statement Analysis Reports.

**E. Number of Students with Valid Scores**

Reportable or valid scores are records that met attemptedness, are non-voided, and are without suppression codes that excluded them from aggregations (e.g., expelled and home-schooled students or when a misadministration or irregularity occurred during testing). The number of valid scores does not include students with “no score” on the assessment.

**F. Graph Key**

Explanatory text for the symbols and lines in the graph: state and district for the district level report and state, district, and school for the school level report.

#### **G. Average Percent of Points Earned**

The average percent of points earned is included to the left of the graphical representation of state, district, and school performance by evidence statement. Evidence statements that were more difficult for students across the state have a lower average percent of points earned.

#### **H. Evidence Statement and Difficulty Order**

Items on the mathematics, ELA (including CSLA) assessments are written to evidence statements that are mapped to the CAS. Each operational item on the assessment is combined into an evidence statement group. Items may be aligned to more than one evidence statement. This means that one item could be represented on the report multiple times depending on its alignment.

The evidence statements on the graph are placed in order with most to least difficult appearing from left to right. This difficulty order is determined by student performance on the items at the state level.

#### **I. Graphical Representation of State, District, and School Level Performance by Evidence Statement**

The graphical representation shows how the state, district, and school performed on each operational evidence statement. The state is represented as a blue line with squares, the district is represented as green circles, and the school is represented by orange triangles on school level reports.

The points on the graph represent at each level (state, district and school) the average points earned compared to the points possible for the group of valid scores in that category. A school can then compare how those students performed on each evidence statement compared to other students in the district or state.

For ELA and CSLA, this comparison can also be used to evaluate school or district performance on the writing tasks as shown in the charts represented by letters J and K.

#### **J. Writing Tasks**

Charted information related to the performance of the writing tasks included on the ELA and CSLA assessments.

#### **K. Prose Constructed Response (PCR)**

This section breaks down the writing tasks by the PCR items included on the ELA and CSLA assessments. The PCRs ask for an extended student response that analyzes literary works in the categories of Literary Analysis and Narrative Writing and informational texts in the category of a Research Simulation Task. Score distributions for the state, district, and school (where applicable) are included.

### 7.1.3 Evidence Statement Map Information

Refer to page 2 of the Evidence Statement Analysis.

#### L. Evidence Statement

Evidence statements are listed from most to least difficult based on the state level. This ordering corresponds to the graphed data on the page 1 of the report.

#### M. Colorado Academic Standard(s)

The evidence statement-linked CAS is listed in the third column. An evidence statement can be connected to multiple standards. For statements that are considered Modeling or Modeling & Reasoning, SHK (Securely Held Knowledge) or OGL (On Grade Level) verbiage is indicated in place of a CAS. Additionally, some integrated mathematics evidence statements cross multiple domains and are not linked to only a single CAS. Multiple CAS are listed for integrated mathematics evidence statements.

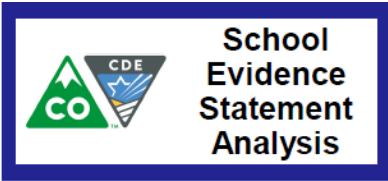
#### N. Domain

The domain level (e.g., Reading: Informational Text, Reading: Literature, Operations and Algebraic Thinking) is listed in this column.

#### O. Additional Information

Links to more detailed information on the evidence statements and CAS are provided at the bottom of the report.

- Evidence Statements: <http://www.cde.state.co.us/assessment/cmas>
- Colorado Academic Standards: <http://www.cde.state.co.us/coreadingwriting/statestandards>



Colorado Measures of Academic Success

A Spring 2019

School: SAMPLE SCHOOL NAME (4444)  
District: SAMPLE DISTRICT NAME (5555)

B

English Language Arts/Literacy C

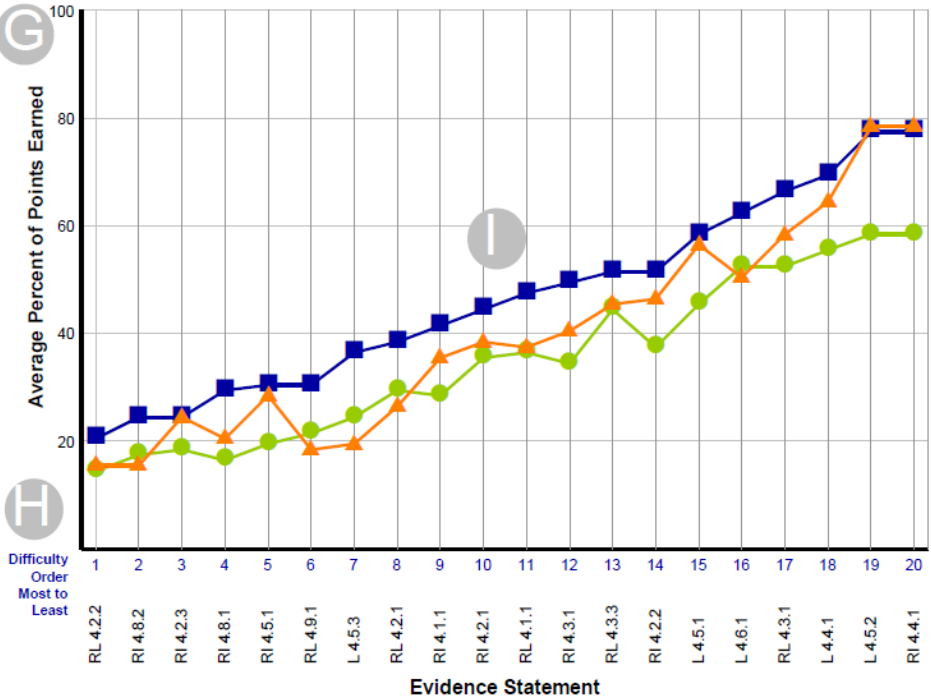
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D Grade 4

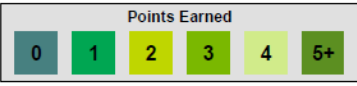
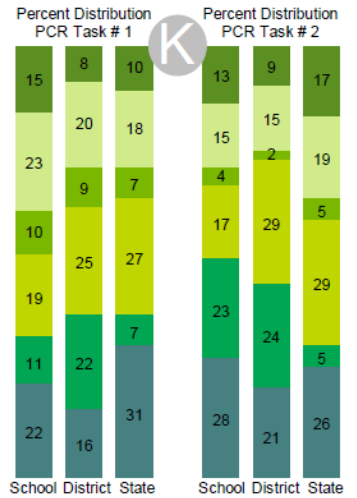
Purpose: This report presents the average percent of points earned by Evidence Statement for the school, district, and state. It also presents the Prose Constructed Response score point distributions for the school, district, and state.

F Students with Valid Scores (49) E

State District School

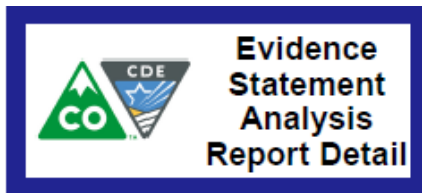


Prose Constructed Response Score Point Distribution



Bar graph segments without a value have a percentage of less than two, where applicable.

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This report shows the operational items for the given grade and subject sorted by difficulty.

Difficulty Order Most to Least	Evidence Statement	Colorado Academic Standard(s)	Domain
1	RL 4.2.2	4.2.1.a.iii	Reading: Literature
2	RI 4.8.2	4.2.2.c.ii	Reading: Informational Text
3	RI 4.2.3	4.2.2.a.ii	Reading: Informational Text
4	RI 4.8.1	4.2.2.c.ii	Reading: Informational Text
5	RI 4.5.1	4.2.2.b.ii	Reading: Informational Text
6	RL 4.9.1	4.2.1.c.ii	Reading: Literature
7	L 4.5.3	4.2.3.d	Language
8	RL 4.2.1	4.2.1.a.iii	Reading: Literature
9	RI 4.1.1	4.2.2.a.i	Reading: Informational Text
10	RI 4.2.1	4.2.2.a.ii	Reading: Informational Text
11	RL 4.1.1	4.2.1.a.i	Reading: Literature
12	RI 4.3.1	4.2.2.a.iii	Reading: Informational Text
13	RL 4.3.3	4.2.1.a.iv	Reading: Literature
14	RI 4.2.2	4.2.2.a.ii	Reading: Informational Text
15	L 4.5.1	4.2.3.d	Language
16	L 4.6.1	4.2.3.e	Language
17	RL 4.3.1	4.2.1.a.iv	Reading: Literature
18	L 4.4.1	4.2.3.c.i	Language
19	L 4.5.2	4.2.3.d	Language
20	RI 4.4.1	4.2.2.b.i	Reading: Informational Text

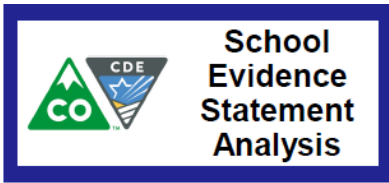
Evidence Statements: <http://www.cde.state.co.us/assessment/cmas>

Grade 4: <http://www.cde.state.co.us/assessment/qr4read-writes060418>

Colorado Academic Standards: <http://www.cde.state.co.us/coreadingwriting/statestandards>

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# 7.3 Sample Evidence Statement Analysis – CMAS Mathematics



## Colorado Measures of Academic Success

**A** Spring 2019

School: **B** SAMPLE SCHOOL NAME (4444)  
 District: SAMPLE DISTRICT NAME (5555)

### Mathematics

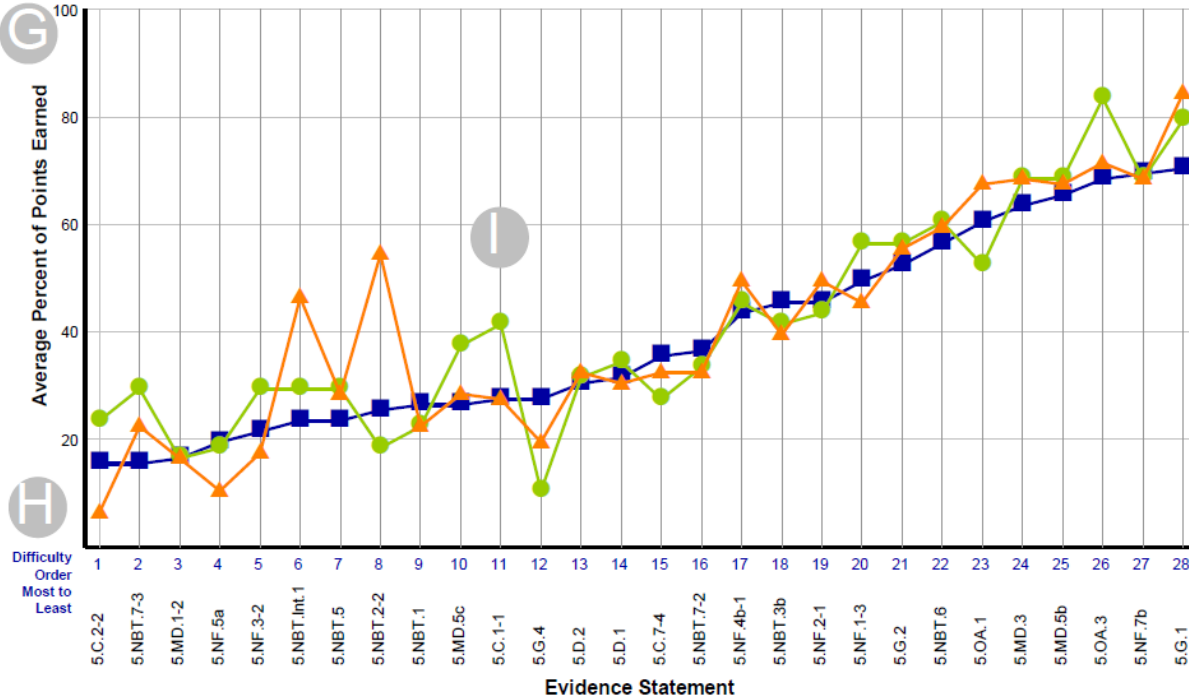
**C** CONFIDENTIAL - DO NOT DISTRIBUTE

**D** Grade 5

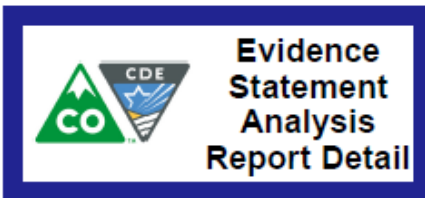
**Purpose:** This report presents the average percent of points earned by Evidence Statement for the school, district, and state.

#### Students with Valid Scores (69)

**F** ■ State    ● District    ▲ School



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This report shows the operational items for the given grade and subject sorted by difficulty.

Mathematics

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Grade 5

Difficulty Order Most to Least	Evidence Statement	Colorado Academic Standard(s)	Domain
1	5.C.2-2	OGL	Modeling and Reasoning
2	5.NBT.7-3	5.1.2.c	Number & Operations in Base Ten
3	5.MD.1-2	5.1.1.d.i 5.1.1.d.ii	Measurement & Data
4	5.NF.5a	5.1.4.e.i	Number & Operations--Fractions
5	5.NF.3-2	5.1.4.a 5.1.4.b	Number & Operations--Fractions
6	5.NBT.Int.1	5.1.1.a.i 5.1.1.a.ii 5.1.2.c	Number & Operations in Base Ten
7	5.NBT.5	5.1.2.a	Number & Operations in Base Ten
8	5.NBT.2-2	5.1.1.a.i 5.1.1.a.ii	Number & Operations in Base Ten
9	5.NBT.1	5.1.1.a	Number & Operations in Base Ten
10	5.MD.5c	5.4.1.b.iii	Measurement & Data
11	5.C.1-1	OGL	Modeling and Reasoning
12	5.G.4	5.4.2.c.ii	Geometry
13	5.D.2	SHK	Modeling and Reasoning
14	5.D.1	OGL	Modeling and Reasoning
15	5.C.7-4	SHK	Modeling and Reasoning
16	5.NBT.7-2	5.1.2.c	Number & Operations in Base Ten
17	5.NF.4b-1	5.1.4.d	Number & Operations--Fractions
18	5.NBT.3b	5.1.1.b.ii	Number & Operations in Base Ten
19	5.NF.2-1	5.1.3.a.i 5.1.3.a.iii	Number & Operations--Fractions
20	5.NF.1-3	5.1.3.a.ii	Number & Operations--Fractions
21	5.G.2	5.4.2.b	Geometry
22	5.NBT.6	5.1.2.b 5.1.2.b.i 5.1.2.b.ii	Number & Operations in Base Ten
23	5.OA.1	5.1.2.d.i	Operations & Algebraic Thinking
24	5.MD.3	5.4.1.a	Measurement & Data
25	5.MD.5b	5.4.1.b.ii	Measurement & Data
26	5.OA.3	5.2.1.a 5.2.1.b 5.2.1.c 5.2.1.d	Operations & Algebraic Thinking
27	5.NF.7b	5.1.4.h	Number & Operations--Fractions
28	5.G.1	5.4.2.a	Geometry

Evidence Statements: <http://www.cde.state.co.us/assessment/cmas>

Grade 5: <http://www.cde.state.co.us/assessment/gr5mathes060418>

Colorado Academic Standards: <http://www.cde.state.co.us/comath/statestandards>

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