

Connecting iMSSA to Classroom Instruction: Utilizing the iMSSA Item Analysis Report

August 25, 2021

Agenda

- Introduction – Julie DiBona, Lead Program Manager, Cognia
- PED welcome – Alicia Abney, Deputy Director of Assessment, NM PED
- Assessment Literacy – Gregory Howell, Client Services Director, Cognia
- iMSSA Item Analysis Report – Gregory Howell, Client Services Director, Cognia

Before we begin...



- Please remain on mute.
- Camera use is encouraged.
- The meeting is being recorded.
- Both the presentation and the recording will be shared.

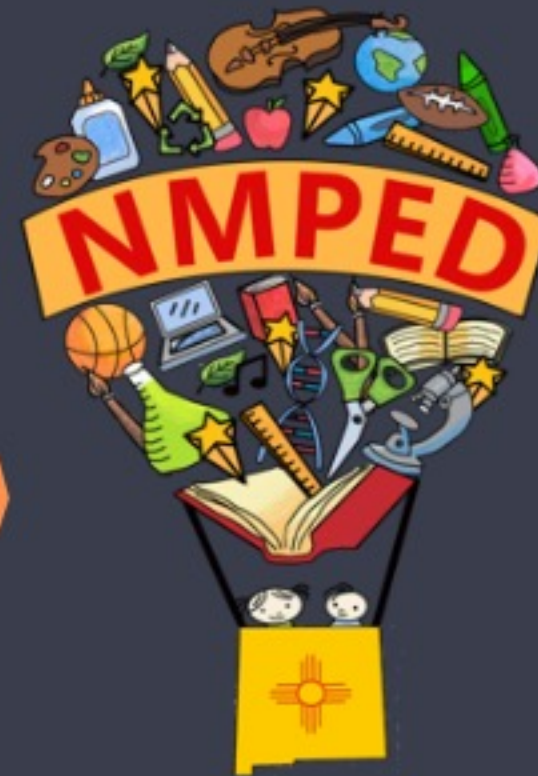
Connecting iMSSA to Classroom Instruction Training SY 2021-2022

August 25, 2021

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Deputy Director of Assessment
New Mexico Public Education
Department

Division of Teaching, Learning, and Assessment

Investing for tomorrow, delivering today.



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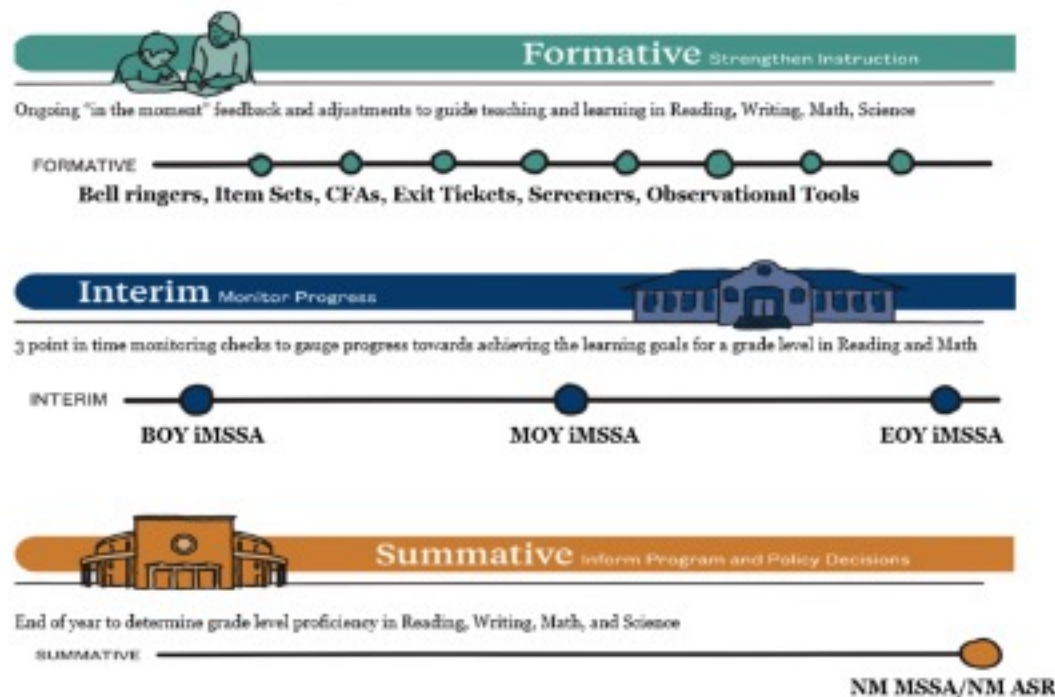


Beginning of Year Reminders

- **Visit the New Assessment Website**
- **Upload students during the pre-ID bulk for iMSSA and Formative Assessment Item Sets**
 - The window is currently open until 8/27
- **Review the optional trainings on Formative, Interim, and Data Interaction Reporting including the recorded office hours on Formative and NM-MSSA Reports from Spring 2021**
- **Test BOY iMSSA until 9/30, Istation until end of August**
- **Register and Attend Fall ACCESS training 8/26 at 9am**
- **Register and Attend Memorandum Office Hours 8/27 at 9am**
- **Attend the DTC “Fall” training week of 9/13 – 9/15 as required by NMAC 6.10.7**

Combining formative, **interim**, & summative assessments for grades 3-8 leads to a more balanced system for educators and learners

Assessment throughout the year



Knowledge is Opportunity




Cognia is a global nonprofit that has the knowledge to help schools improve outcomes for all learners.

Our Vision

To impact and inspire education providers to advance and enable pathways for success for all learners.

Our Mission

To serve as a trusted partner in advancing learning.



Assessment Literacy

How do interim assessments fit into a
Balanced Assessment System

Assessment Literacy Webinar Series

Increasing Assessment Literacy: A Springboard for New Mexico Educators

Assessment Literacy for Leadership: Exploring how to Support Teachers with the NM Balanced Assessment System

Using Equity Mindset and Culturally Responsive Practices to Ensure Every Student's Success

Assessment Literate Educators...

- Implement assessments equitably making appropriate modifications based on student need.
- Use assessments to define next steps for student growth.
- Analyze the results of assessments given their knowledge of students, and make instructional adjustments based on those results.



Assessment helps...

Educators

- Identify students' skills, abilities, and instructional needs.
- Employ a variety of assessments that are appropriate for the students and learning targets.

Students

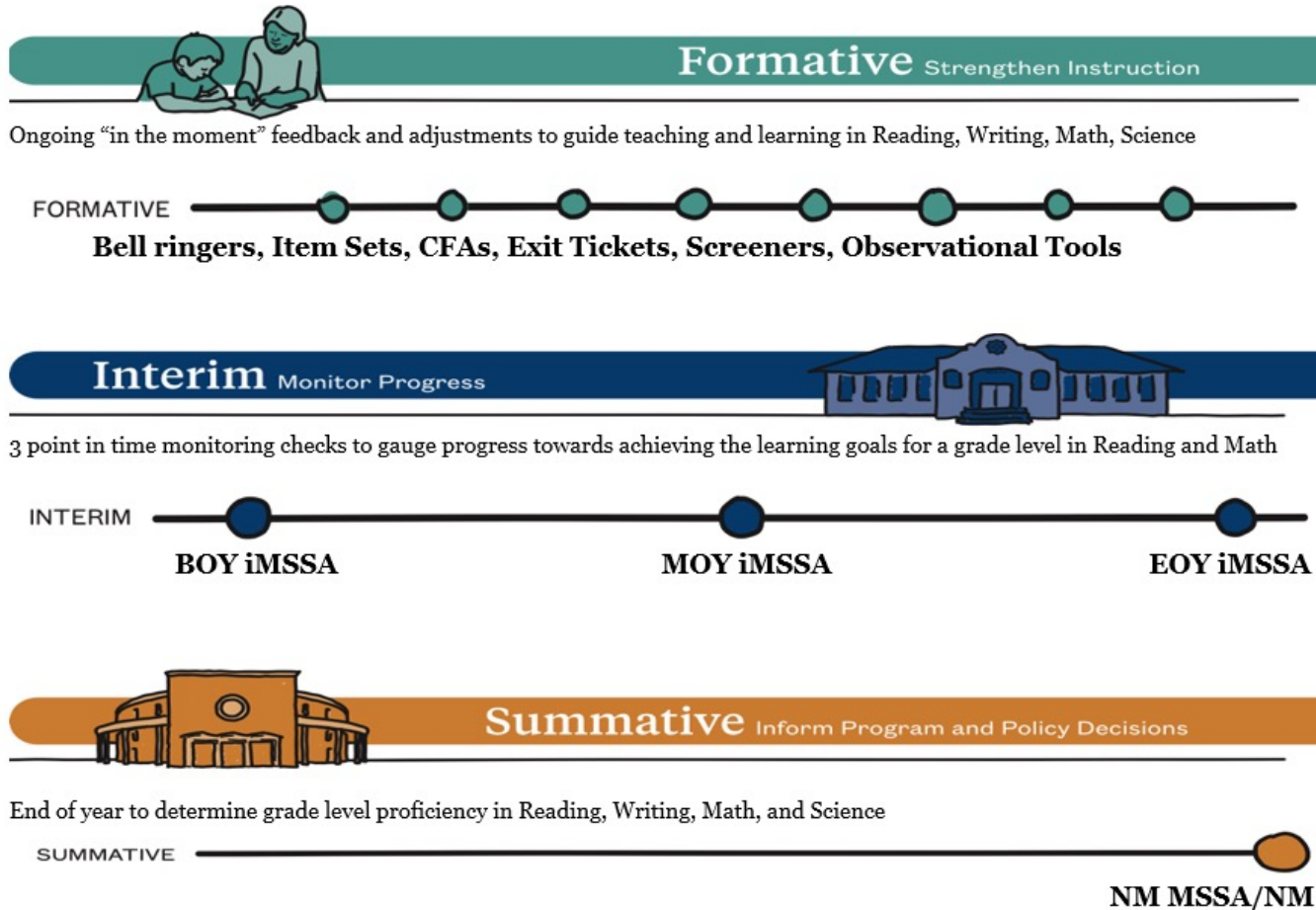
- Understand their own instructional strengths and challenges.
- Be motivated to maintain or improve their learning.

Balanced Assessment System

Formative Assessments	Interim Assessments	Summative Assessments
Descriptions		
A planned, ongoing process used by students and teachers to elicit and use evidence of student learning to improve student understanding of intended learning outcomes and support students to become self-directed learners.	Assessments administered during instruction to evaluate students' knowledge and skills relative to a specific set of academic goals, which inform educator and policymaker decisions at the classroom, school, and district levels.	Assessments that support various types of determinations (e.g., proficiency, competency) at the end of a defined instructional period , such as a unit of instruction or a school year, to evaluate students' performance against a set of learning targets for that period.
Use of the Results		
Teachers provide specific and timely feedback to students and adjust instruction "in the moment" or plan future instructional activities or units.	School and district instructional leaders, along with teachers, use the data to determine whether student growth toward grade-level expectations is adequate and set goals for future growth.	School and district instructional leaders plan resource allocation, evaluate programs, plan professional learning, and help select curriculum materials.

Combining formative, **interim**, & summative assessments leads to a more balanced system for educators and learners

Assessment throughout the year



Interim Assessment: Purpose and use

Interim



NM interim assessments provide information at three points during the school year (i.e., fall, winter, and spring) on student progress toward achieving the learning goals for a grade level.

The information can be used to anticipate performance on the NM-MSSA at the end of the school year. This information may indicate whether students' current achievement path (a) is likely to lead to a desired outcome (e.g., reaching Proficient at the end of the year), or (b) indicates that additional instructional attention and resources are needed to alter the current achievement path.

Based on interim assessment information, parents, teachers, school and district leaders, and students themselves can determine what additional instructional attention and resources may be needed.

Use assessment data to support strategic thinking and continuous improvement planning.



Establishing an Academic Baseline

- As students reenter New Mexico schools this fall, they will arrive with varying degrees of emotional needs, instructional needs, and learning needs.
- It is more imperative than ever that **multiple measures** of student understanding are utilized to identify needs and monitor supports and interventions for students.
- Schools must employ a toolkit of resources and supports to elicit student thinking, identify learning needs and misconceptions, and measure progress in relation to priority standards and learning targets.

Interim Assessments as Acceleration Supports

Interim Assessments should...

- provide information about student learning needs.
- help identify students in need of additional support.
- more broadly inform areas of strength, improvement, and trends in student performance, informing instructional shifts.

Interim Assessments

Interim assessments provide a roadmap to rigorous teaching and learning, and measure student progress while there is still time to act and impact student achievement.

Interim Assessment: Definition

Assessments administered during instruction periodically at set points of the year (BOY, MOY, EOY) to evaluate students' knowledge and skills relative to a specific set of academic goals, which inform educator and policymaker decisions at the classroom, school, and district levels.



iMSSA Item Analysis Report

How to utilize the iMSSA data to make
instructional decisions

iMSSA Item Analysis Report

- Currently in Excel Spreadsheet form
- Multiple Tabs for easy access to specific grade levels and content area
- Organized with CCSS, Learning Targets, DOK
- Data Dictionary Tab
- Currently located in the District FTP site
- Future updates in Data Interaction

measuredprogress.sharepoint.com

ExcelItem Analysis Report_BOY 8 - Saved

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ShareCommentsCatch up

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	B	C	D	E	F	G	H	I	J	K	
	Content A	CC Math Pract	Learning Target	CC Math Practice Description	Difficulty Or	Achievement Le	Ordin	Asset Ty	Point Va	Common Core State Standards - Mathem	DOK
1	Mathematics		7 Apply the properties of operations to rewrite linear expressions with rational coefficients.	Look for and make use of structure.	12 On Target	9 Choice			1 07.EE.01.01		DOK
2	Mathematics		8 Solve a real-world problem involving the four operations with rational numbers.	Look for and express regularity in repeated reasoning.	36 Needs Support	6 Choice			1 07.NS.01.03		DOK
3	Mathematics		8 Test for equivalent ratios in a table to decide whether two quantities are in a proportional relations	Look for and express regularity in repeated reasoning.	24 Near Target	36 Choice			1 07.RP.01.02.a		DOK
4	Mathematics		7 Apply the properties of operations to rewrite linear expressions with rational coefficients.	Look for and make use of structure.	13 On Target	25 Choice			1 07.EE.01.01		DOK
5	Mathematics		2 Determine if a sample is representative of the population.	Reason abstractly and quantitatively.	4 On Target	15 Choice			1 07.SP.01.01		DOK
6	Mathematics		2 Find scaled length given a scale and actual measurement.	Reason abstractly and quantitatively.	16 On Target	10 Choice			1 07.G.01.01		DOK
7	Mathematics		2 Determine if a sampling method is random.	Reason abstractly and quantitatively.	15 On Target	32 Choice			1 07.SP.01.01		DOK
8	Mathematics		4 Find the approximate circumference of a circle given the radius.	Model with mathematics.	7 On Target	12 Choice			1 07.G.02.04		DOK
9	Mathematics		1 Use observed frequencies to answer questions about probability.	Make sense of problems and persevere in solving them.	5 On Target	11 Choice			1 07.SP.03.07		DOK
10	Mathematics		1 Analyze measures of center and variability to draw an informal comparative inference.	Make sense of problems and persevere in solving them.	17 On Target	30 Choice			1 07.SP.01.02		DOK
11	Mathematics		1 Solve a real-world problem involving rational numbers.	Make sense of problems and persevere in solving them.	27 Near Target	34 Choice			1 07.EE.02.03		DOK
12	Mathematics		3 Use proportional relationships to solve multistep percent problems.	Construct viable arguments and critique the reasoning of othe	8 On Target	16 Choice			1 07.RP.01.03		DOK
13	Mathematics		2 Solve mathematical problems involving volume of a right rectangular prism.	Reason abstractly and quantitatively.	25 Near Target	20 Choice			1 07.G.02.06		DOK
14	Mathematics		4 Find the probability of a simple event.	Model with mathematics.	28 Near Target	13 Choice			1 07.SP.03.07.a		DOK
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16	Mathematics		7 Solve a mathematical problem involving the four operations with rational numbers.	Look for and make use of structure.	10 On Target	17 Choice			1 07.NS.01.02.c		DOK
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18	Mathematics		3 Solve an inequality.	Construct viable arguments and critique the reasoning of othe	11 On Target	18 Choice			1 07.EE.02.04.b		DOK
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20	Mathematics		4 Use the outcome of a simulation to find the probability of a compound event.	Model with mathematics.	14 On Target	33 Choice			1 07.SP.03.08.c		DOK
21	Mathematics		1 Apply the properties of operations to rewrite linear expressions with rational coefficients.	Make sense of problems and persevere in solving them.	6 On Target	5 Choice			1 07.EE.01.01		DOK
22	Mathematics		4 Describe the two-dimensional figures that result from slicing three-dimensional figures.	Model with mathematics.	23 At/Near On Target	3 Choice			1 07.G.01.03		DOK
23	Mathematics		1 Solve real-world problems involving volume of a right rectangular prism and a triangular prism.	Make sense of problems and persevere in solving them.	20 On Target	26 Choice			1 07.G.02.06		DOK
24	Mathematics		3 Solve real-world problems involving surface area of a right rectangular prism and a triangular prism	Construct viable arguments and critique the reasoning of othe	1 On Target	27 Choice			1 07.G.02.06		DOK
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26	Mathematics		2 Compute a unit rate associated with ratios of fractions.	Reason abstractly and quantitatively.	26 Near Target	29 Choice			1 07.RP.01.01		DOK
27	Mathematics		2 Write an equation to model a proportional relationship.	Reason abstractly and quantitatively.	29 Near Target	31 Choice			1 07.RP.01.02.c		DOK
28	Mathematics		8 Identify the constant of proportionality in a verbal description of a proportional relationship.	Look for and express regularity in repeated reasoning.	35 Needs Support	1 Choice			1 07.RP.01.02.b		DOK
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36	Mathematics		2 Describe a situation in which opposite quantities combine to make 0.	Reason abstractly and quantitatively.	34 Needs Support	2 Choice			1 07.NS.01.01.a		DOK
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1	Grades and Cours	Content Are	CC Math Practic	Learning Target	CC Math Practice Description	Difficulty O	Achievement Lev	Ordin	Asset Ty	Point Val	Common Core State Standards - Mathematics	DOK - Ma	
2		7 Mathematics		7 Apply the properties of operations to rewrite linear expressions with rational coefficients.	Look for and make use of structure.	12 On Target		9 Choice		1 07.EE.01.01		DOK2	
3		7 Mathematics		8 Solve a real-world problem involving the four operations with rational numbers.	Look for and express regularity in repeated reasoning.	36 Needs Support		6 Choice		1 07.NS.01.03		DOK1	
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10		7 Mathematics		1 Use observed frequencies to answer questions about probability.	Make sense of problems and persevere in solving them.	5 On Target		11 Choice		1 07.SP.03.07		DOK3	
11		7 Mathematics		1 Analyze measures of center and variability to draw an informal comparative inference.	Make sense of problems and persevere in solving them.	17 On Target		30 Choice		1 07.SP.01.02		DOK3	
12		7 Mathematics		1 Solve a real-world problem involving rational numbers.	Make sense of problems and persevere in solving them.	27 Near Target		34 Choice		1 07.EE.02.03		DOK2	
13		7 Mathematics		3 Use proportional relationships to solve multistep percent problems.	Construct viable arguments and critique the reasoning of others.	8 On Target		16 Choice		1 07.RP.01.03		DOK2	
14		7 Mathematics		2 Solve mathematical problems involving volume of a right rectangular prism.	Reason abstractly and quantitatively.	25 Near Target		20 Choice		1 07.G.02.06		DOK1	
15		7 Mathematics		4 Find the probability of a simple event.	Model with mathematics.	28 Near Target		13 Choice		1 07.SP.03.07.a		DOK2	
16		7 Mathematics		7 Convert a percent to a fraction in lowest terms.	Look for and make use of structure.	30 Near Target		4 Choice		1 07.EE.02.03		DOK2	
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<div> <div> <div>Grades and Courses</div> <div>Content Areas</div> <div>CC Math Practice</div> <div>Learning Target</div> </div> <div> <div> <div>Difficulty</div> <div>On Target</div> <div>Needs Support</div> <div>Near Target</div> </div> <div> <div>Achievement Level</div> <div>On Target</div> <div>Needs Support</div> <div>Near Target</div> </div> <div> <div>Order</div> <div>On Target</div> <div>Needs Support</div> <div>Near Target</div> </div> <div> <div>Asset Type</div> <div>Choice</div> <div>Choice</div> <div>Choice</div> </div> <div> <div>Point Value</div> <div>1</div> <div>1</div> <div>1</div> </div> <div> <div>Common Core State Standards - Mathematics</div> <div>DOK - Mathematics</div> </div> </div> </div>														
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16	7 Mathematics	7 Mathematics	7 Mathematics	Convert a percent to a fraction in lowest terms.	Look for and make use of structure.	30	Near Target	4	Choice	1	07.EE.02.03	DOK2		
17	7 Mathematics	7 Mathematics	7 Mathematics	Solve a mathematical problem involving the four operations with rational numbers.	Look for and make use of structure.	10	On Target	17	Choice	1	07.NS.01.02.c	DOK2		
18	7 Mathematics	7 Mathematics	7 Mathematics	Solve a real-world problem involving rational numbers.	Reason abstractly and quantitatively.	33	Needs Support	35	Choice	1	07.EE.02.04.a	DOK2		
19	7 Mathematics	7 Mathematics	7 Mathematics	Solve an inequality.	Construct viable arguments and critique the reasoning of others.	11	On Target	18	Choice	1	07.EE.02.04.b	DOK3		
20	7 Mathematics	7 Mathematics	7 Mathematics	Identify the constant of proportionality in a table.	Look for and express regularity in repeated reasoning.	2	On Target	19	Choice	1	07.RP.01.02.b	DOK2		
21	7 Mathematics	7 Mathematics	7 Mathematics	Use the outcome of a simulation to find the probability of a compound event.	Model with mathematics.	14	On Target	33	Choice	1	07.SP.03.08.c	DOK2		
22	7 Mathematics	7 Mathematics	7 Mathematics	Apply the properties of operations to rewrite linear expressions with rational coefficients.	Make sense of problems and persevere in solving them.	6	On Target	5	Choice	1	07.EE.01.01	DOK2		
23	7 Mathematics	7 Mathematics	7 Mathematics	Describe the two-dimensional figures that result from slicing three-dimensional figures.	Model with mathematics.	23	At/Near On Target	3	Choice	1	07.G.01.03	DOK2		
24	7 Mathematics	7 Mathematics	7 Mathematics	Solve real-world problems involving volume of a right rectangular prism and a triangular prism.	Make sense of problems and persevere in solving them.	20	On Target	26	Choice	1	07.G.02.06	DOK2		
25	7 Mathematics	7 Mathematics	7 Mathematics	Solve real-world problems involving surface area of a right rectangular prism and a triangular prism.	Construct viable arguments and critique the reasoning of others.	1	On Target	27	Choice	1	07.G.02.06	DOK2		
26	7 Mathematics	7 Mathematics	7 Mathematics	Find the sum of rational numbers.	Reason abstractly and quantitatively.	9	On Target	24	Choice	1	07.NS.01.01.b	DOK2		
27	7 Mathematics	7 Mathematics	7 Mathematics	Compute a unit rate associated with ratios of fractions.	Reason abstractly and quantitatively.	26	Near Target	29	Choice	1	07.RP.01.01	DOK2		
28	7 Mathematics	7 Mathematics	7 Mathematics	Write an equation to model a proportional relationship.	Reason abstractly and quantitatively.	29	Near Target	31	Choice	1	07.RP.01.02.c	DOK2		
29	7 Mathematics	7 Mathematics	7 Mathematics	Identify the constant of proportionality in a verbal description of a proportional relationship.	Look for and express regularity in repeated reasoning.	35	Needs Support	1	Choice	1	07.RP.01.02.b	DOK2		
30	7 Mathematics	7 Mathematics	7 Mathematics	Write and solve an inequality that models a situation.	Reason abstractly and quantitatively.	31	Near Target	21	Choice	1	07.EE.02.04.a	DOK2		
31	7 Mathematics	7 Mathematics	7 Mathematics	Write an equation to model a proportional relationship.	Reason abstractly and quantitatively.	18	On Target	7	Choice	1	07.RP.01.02.c	DOK2		
32	7 Mathematics	7 Mathematics	7 Mathematics	Solve a mathematical problem involving the four operations with rational numbers.	Look for and make use of structure.	21	On Target	8	Choice	1	07.NS.01.02.a	DOK2		
33	7 Mathematics	7 Mathematics	7 Mathematics	Rewrite a rational number using properties of operations.	Look for and make use of structure.	3	On Target	14	Choice	1	07.NS.01.02.b	DOK1		
34	7 Mathematics	7 Mathematics	7 Mathematics	Use proportional relationships to solve multistep ratio problems.	Reason abstractly and quantitatively.	19	On Target	23	Choice	1	07.RP.01.03	DOK2		
35	7 Mathematics	7 Mathematics	7 Mathematics	Analyze measures of center to draw an informal comparative inference.	Model with mathematics.	22	At/Near On Target	22	Choice	1	07.SP.02.04	DOK2		
36	7 Mathematics	7 Mathematics	7 Mathematics	Model the probabilities of events using a circle graph.	Model with mathematics.	32	Needs Support	28	Choice	1	07.SP.03.07	DOK2		
37	7 Mathematics	7 Mathematics	7 Mathematics	Describe a situation in which opposite quantities combine to make 0.	Reason abstractly and quantitatively.	34	Needs Support	2	Choice	1	07.NS.01.01.a	DOK2		



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Item Analysis Report_BOY-2

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	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Grades and Courses	Content Area	CC Math Practice	Learning Target	CC Math Practice Description	Difficulty	Achievement Level	Order	Asset Type	Point Value	Common Core State Standards - Mathematics	DOK - Mathematics	
2	7	Mathematics	7	Apply the properties of operations to rewrite linear expressions with rational coefficients.	Look for and make use of structure.	1	On Target	9	Choice	1	07.EE.01.01	DOK2	
3	7	Mathematics	8	Solve a real-world problem involving the four operations with rational numbers.	Look for and express regularity in repeated reasoning.	3	Needs Support	6	Choice	1	07.NS.01.03	DOK1	
4	7	Mathematics	8	Test for equivalent ratios in a table to decide whether two quantities are in a proportional relationship.	Look for and express regularity in repeated reasoning.	2	Near Target	36	Choice	1	07.RP.01.02.a	DOK2	
5	7	Mathematics	7	Apply the properties of operations to rewrite linear expressions with rational coefficients.	Look for and make use of structure.	1	On Target	25	Choice	1	07.EE.01.01	DOK2	
6	7	Mathematics	2	Determine if a sample is representative of the population.	Reason abstractly and quantitatively.	1	On Target	15	Choice	1	07.SP.01.01	DOK2	
7	7	Mathematics	2	Find scaled length given a scale and actual measurement.	Reason abstractly and quantitatively.	1	On Target	10	Choice	1	07.G.01.01	DOK2	
8	7	Mathematics	2	Determine if a sampling method is random.	Reason abstractly and quantitatively.	1	On Target	32	Choice	1	07.SP.01.01	DOK2	
9	7	Mathematics	4	Find the approximate circumference of a circle given the radius.	Model with mathematics.	1	On Target	12	Choice	1	07.G.02.04	DOK1	
10	7	Mathematics	1	Use observed frequencies to answer questions about probability.	Make sense of problems and persevere in solving them.	1	On Target	11	Choice	1	07.SP.03.07	DOK3	
11	7	Mathematics	1	Analyze measures of center and variability to draw an informal comparative inference.	Make sense of problems and persevere in solving them.	1	On Target	30	Choice	1	07.SP.01.02	DOK3	
12	7	Mathematics	1	Solve a real-world problem involving rational numbers.	Make sense of problems and persevere in solving them.	2	Near Target	34	Choice	1	07.EE.02.03	DOK2	
13	7	Mathematics	3	Use proportional relationships to solve multistep percent problems.	Construct viable arguments and critique the reasoning of others.	1	On Target	16	Choice	1	07.RP.01.03	DOK2	
14	7	Mathematics	2	Solve mathematical problems involving volume of a right rectangular prism.	Reason abstractly and quantitatively.	2	Near Target	20	Choice	1	07.G.02.06	DOK1	
15	7	Mathematics	4	Find the probability of a simple event.	Model with mathematics.	2	Near Target	13	Choice	1	07.SP.03.07.a	DOK2	
16	7	Mathematics	7	Convert a percent to a fraction in lowest terms.	Look for and make use of structure.	3	Near Target	4	Choice	1	07.EE.02.03	DOK2	
17	7	Mathematics	7	Solve a mathematical problem involving the four operations with rational numbers.	Look for and make use of structure.	1	On Target	17	Choice	1	07.NS.01.02.c	DOK2	
18	7	Mathematics	2	Solve a real-world problem involving rational numbers.	Reason abstractly and quantitatively.	3	Needs Support	35	Choice	1	07.EE.02.04.a	DOK2	
19	7	Mathematics	3	Solve an inequality.	Construct viable arguments and critique the reasoning of others.	1	On Target	18	Choice	1	07.EE.02.04.b	DOK3	
20	7	Mathematics	8	Identify the constant of proportionality in a table.	Look for and express regularity in repeated reasoning.	1	On Target	19	Choice	1	07.RP.01.02.b	DOK2	
21	7	Mathematics	4	Use the outcome of a simulation to find the probability of a compound event.	Model with mathematics.	1	On Target	33	Choice	1	07.SP.03.08.c	DOK2	
22	7	Mathematics	1	Apply the properties of operations to rewrite linear expressions with rational coefficients.	Make sense of problems and persevere in solving them.	1	On Target	5	Choice	1	07.EE.01.01	DOK2	
23	7	Mathematics	4	Describe the two-dimensional figures that result from slicing three-dimensional figures.	Model with mathematics.	2	At/Near On Target	3	Choice	1	07.G.01.03	DOK2	
24	7	Mathematics	1	Solve real-world problems involving volume of a right rectangular prism and a triangular prism.	Make sense of problems and persevere in solving them.	2	On Target	26	Choice	1	07.G.02.06	DOK2	
25	7	Mathematics	3	Solve real-world problems involving surface area of a right rectangular prism and a triangular prism.	Construct viable arguments and critique the reasoning of others.	1	On Target	27	Choice	1	07.G.02.06	DOK2	
26	7	Mathematics	2	Find the sum of rational numbers.	Reason abstractly and quantitatively.	1	On Target	24	Choice	1	07.NS.01.01.b	DOK2	
27	7	Mathematics	2	Compute a unit rate associated with ratios of fractions.	Reason abstractly and quantitatively.	2	Near Target	29	Choice	1	07.RP.01.01	DOK2	
28	7	Mathematics	2	Write an equation to model a proportional relationship.	Reason abstractly and quantitatively.	2	Near Target	31	Choice	1	07.RP.01.02.c	DOK2	
29	7	Mathematics	8	Identify the constant of proportionality in a verbal description of a proportional relationship.	Look for and express regularity in repeated reasoning.	3	Needs Support	1	Choice	1	07.RP.01.02.b	DOK2	
30	7	Mathematics	2	Write and solve an inequality that models a situation.	Reason abstractly and quantitatively.	3	Near Target	21	Choice	1	07.EE.02.04.a	DOK2	
31	7	Mathematics	2	Write an equation to model a proportional relationship.	Reason abstractly and quantitatively.	1	On Target	7	Choice	1	07.RP.01.02.c	DOK2	
32	7	Mathematics	7	Solve a mathematical problem involving the four operations with rational numbers.	Look for and make use of structure.	2	On Target	8	Choice	1	07.NS.01.02.a	DOK2	
33	7	Mathematics	7	Rewrite a rational number using properties of operations.	Look for and make use of structure.	1	On Target	14	Choice	1	07.NS.01.02.b	DOK1	
34	7	Mathematics	2	Use proportional relationships to solve multistep ratio problems.	Reason abstractly and quantitatively.	1	On Target	23	Choice	1	07.RP.01.03	DOK2	
35	7	Mathematics	4	Analyze measures of center to draw an informal comparative inference.	Model with mathematics.	2	At/Near On Target	22	Choice	1	07.SP.02.04	DOK2	
36	7	Mathematics	4	Model the probabilities of events using a circle graph.	Model with mathematics.	3	Needs Support	28	Choice	1	07.SP.03.07	DOK2	
37	7	Mathematics	2	Describe a situation in which opposite quantities combine to make 0.	Reason abstractly and quantitatively.	3	Needs Support	2	Choice	1	07.NS.01.01.a	DOK2	
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Item Analysis Report_BOY_AllG3 ReadingG3 WritingG3 MathG4 ReadingG4 WritingG4 MathG5 ReadingG5 WritingG5 MathG6 ReadingG6 WritingG6 MathG7 ReadingG7 WritingG7 MathG8 ReadingG8 Writing

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Item Analysis Report_BOY-2

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General

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K1Common Core State Standards - Mathematics

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Grades and Courses	Content Area	CC Math Practice	Learning Target	CC Math Practice Description	Difficulty	Achievement Level	Order	Asset Type	Point Value	Common Core State Standards - Mathematics	OK - Math	
2	7 Mathematics			7 Apply the properties of operations to rewrite linear expressions with rational coefficients.	Look for and make use of structure.	12 On Target	9 Choice				07.EE.01.01	OK2	
3	7 Mathematics			8 Solve a real-world problem involving the four operations with rational numbers.	Look for and express regularity in repeated reasoning.	36 Needs Support	6 Choice				07.NS.01.03	OK1	
4	7 Mathematics			8 Test for equivalent ratios in a table to decide whether two quantities are in a proportional relationship.	Look for and express regularity in repeated reasoning.	24 Near Target	36 Choice				07.RP.01.02.a	OK2	
5	7 Mathematics			7 Apply the properties of operations to rewrite linear expressions with rational coefficients.	Look for and make use of structure.	13 On Target	25 Choice				07.EE.01.01	OK2	
6	7 Mathematics			2 Determine if a sample is representative of the population.	Reason abstractly and quantitatively.	4 On Target	1 Choice				07.SP.01.01	OK2	
7	7 Mathematics			2 Find scaled length given a scale and actual measurement.	Reason abstractly and quantitatively.	16 On Target	27 Choice				07.G.01.01	OK2	
8	7 Mathematics			2 Determine if a sampling method is random.	Reason abstractly and quantitatively.	15 On Target	32 Choice				07.SP.01.01	OK2	
9	7 Mathematics			4 Find the approximate circumference of a circle given the radius.	Model with mathematics.	7 On Target	12 Choice				07.G.02.04	OK1	
10	7 Mathematics			1 Use observed frequencies to answer questions about probability.	Make sense of problems and persevere in solving them.	5 On Target	11 Choice				07.SP.03.07	OK3	
11	7 Mathematics			1 Analyze measures of center and variability to draw an informal comparative inference.	Make sense of problems and persevere in solving them.	17 On Target	30 Choice				07.SP.01.02	OK3	
12	7 Mathematics			1 Solve a real-world problem involving rational numbers.	Make sense of problems and persevere in solving them.	27 Near Target	34 Choice				07.EE.02.03	OK2	
13	7 Mathematics			3 Use proportional relationships to solve multistep percent problems.	Construct viable arguments and critique the reasoning of others.	8 On Target	16 Choice				07.RP.01.03	OK2	
14	7 Mathematics			2 Solve mathematical problems involving volume of a right rectangular prism.	Reason abstractly and quantitatively.	25 Near Target	20 Choice				07.G.02.06	OK1	
15	7 Mathematics			4 Find the probability of a simple event.	Model with mathematics.	28 Near Target	13 Choice				07.SP.03.07.a	OK2	
16	7 Mathematics			7 Convert a percent to a fraction in lowest terms.	Look for and make use of structure.	30 Near Target	4 Choice				07.EE.02.03	OK2	
17	7 Mathematics			7 Solve a mathematical problem involving the four operations with rational numbers.	Look for and make use of structure.	10 On Target	17 Choice				07.NS.01.02.c	OK2	
18	7 Mathematics			2 Solve a real-world problem involving rational numbers.	Reason abstractly and quantitatively.	33 Needs Support	35 Choice				07.EE.02.04.a	OK2	
19	7 Mathematics			3 Solve an inequality.	Construct viable arguments and critique the reasoning of others.	11 On Target	18 Choice				07.EE.02.04.b	OK3	
20	7 Mathematics			8 Identify the constant of proportionality in a table.	Look for and express regularity in repeated reasoning.	2 On Target	19 Choice				07.RP.01.02.b	OK2	
21	7 Mathematics			4 Use the outcome of a simulation to find the probability of a compound event.	Model with mathematics.	14 On Target	33 Choice				07.SP.03.08.c	OK2	
22	7 Mathematics			1 Apply the properties of operations to rewrite linear expressions with rational coefficients.	Make sense of problems and persevere in solving them.	6 On Target	5 Choice				07.EE.01.01	OK2	
23	7 Mathematics			4 Describe the two-dimensional figures that result from slicing three-dimensional figures.	Model with mathematics.	23 At/Near On Target	3 Choice				07.G.01.03	OK2	
24	7 Mathematics			1 Solve real-world problems involving volume of a right rectangular prism and a triangular prism.	Make sense of problems and persevere in solving them.	20 On Target	26 Choice				07.G.02.06	OK2	
25	7 Mathematics			3 Solve real-world problems involving surface area of a right rectangular prism and a triangular prism.	Construct viable arguments and critique the reasoning of others.	1 On Target	27 Choice				07.G.02.06	OK2	
26	7 Mathematics			2 Find the sum of rational numbers.	Reason abstractly and quantitatively.	9 On Target	24 Choice				07.NS.01.01.b	OK2	
27	7 Mathematics			2 Compute a unit rate associated with ratios of fractions.	Reason abstractly and quantitatively.	26 Near Target	29 Choice				07.RP.01.01	OK2	
28	7 Mathematics			2 Write an equation to model a proportional relationship.	Reason abstractly and quantitatively.	29 Near Target	31 Choice				07.RP.01.02.c	OK2	
29	7 Mathematics			8 Identify the constant of proportionality in a verbal description of a proportional relationship.	Look for and express regularity in repeated reasoning.	35 Needs Support	1 Choice				07.RP.01.02.b	OK2	
30	7 Mathematics			2 Write and solve an inequality that models a situation.	Reason abstractly and quantitatively.	31 Near Target	21 Choice				07.EE.02.04.a	OK2	
31	7 Mathematics			2 Write an equation to model a proportional relationship.	Reason abstractly and quantitatively.	18 On Target	7 Choice				07.RP.01.02.c	OK2	
32	7 Mathematics			7 Solve a mathematical problem involving the four operations with rational numbers.	Look for and make use of structure.	21 On Target	8 Choice				07.NS.01.02.a	OK2	
33	7 Mathematics			7 Rewrite a rational number using properties of operations.	Look for and make use of structure.	3 On Target	14 Choice				07.NS.01.02.b	OK1	
34	7 Mathematics			2 Use proportional relationships to solve multistep ratio problems.	Reason abstractly and quantitatively.	19 On Target	23 Choice				07.RP.01.03	OK2	
35	7 Mathematics			4 Analyze measures of center to draw an informal comparative inference.	Model with mathematics.	22 At/Near On Target	22 Choice				07.SP.02.04	OK2	
36	7 Mathematics			4 Model the probabilities of events using a circle graph.	Model with mathematics.	32 Needs Support	28 Choice				07.SP.03.07	OK2	
37	7 Mathematics			2 Describe a situation in which opposite quantities combine to make 0.	Reason abstractly and quantitatively.	34 Needs Support	2 Choice				07.NS.01.01.a	OK2	

Item Analysis Report_BOY_AllG3 ReadingG3 WritingG3 MathG4 ReadingG4 WritingG4 MathG5 ReadingG5 WritingG5 MathG6 ReadingG6 WritingG6 MathG7 ReadingG7 WritingG7 MathG8 ReadingG8 Writing+106%

AutoSave OFF

Item Analysis Report_BOY-2

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Calibri (Body)11

General

Conditional FormattingFormat as Table

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Analyze DataSensitivity

16fxChoice

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	Grades and Courses	Content Area	CC Math Practice	Learning Target	CC Math Practice Description	Difficulty	Achievement Level	Order	Asset Type	Point Value	Common Core State Standards - Mathematics	DOK - Mathematics	
2	7 Mathematics		7 Apply the properties of operations to rewrite linear expressions with rational coefficients.		Look for and make use of structure.	12	On Target					DOK2	
3	7 Mathematics		8 Solve a real-world problem involving the four operations with rational numbers.		Look for and express regularity in repeated reasoning.	36	Needs Support					DOK1	
4	7 Mathematics		8 Test for equivalent ratios in a table to decide whether two quantities are in a proportional relationship.		Look for and express regularity in repeated reasoning.	24	Near Target					DOK2	
5	7 Mathematics		7 Apply the properties of operations to rewrite linear expressions with rational coefficients.		Look for and make use of structure.	13	On Target					DOK2	
6	7 Mathematics		2 Determine if a sample is representative of the population.		Reason abstractly and quantitatively.	4	On Target					DOK2	
7	7 Mathematics		2 Find scaled length given a scale and actual measurement.		Reason abstractly and quantitatively.	16	On Target					DOK2	
8	7 Mathematics		2 Determine if a sampling method is random.		Reason abstractly and quantitatively.	7	On Target					DOK2	
9	7 Mathematics		4 Find the approximate circumference of a circle given the radius.		Model with mathematics.	7	On Target					DOK1	
10	7 Mathematics		1 Use observed frequencies to answer questions about probability.		Make sense of problems and persevere in solving them.	5	On Target					DOK3	
11	7 Mathematics		1 Analyze measures of center and variability to draw an informal comparative inference.		Make sense of problems and persevere in solving them.	17	On Target					DOK3	
12	7 Mathematics		1 Solve a real-world problem involving rational numbers.		Make sense of problems and persevere in solving them.	27	Near Target					DOK2	
13	7 Mathematics		3 Use proportional relationships to solve multistep percent problems.		Construct viable arguments and critique the reasoning of others.	8	On Target					DOK2	
14	7 Mathematics		2 Solve mathematical problems involving volume of a right rectangular prism.		Reason abstractly and quantitatively.	25	Near Target					DOK1	
15	7 Mathematics		4 Find the probability of a simple event.		Model with mathematics.	28	Near Target					DOK2	
16	7 Mathematics		7 Convert a percent to a fraction in lowest terms.		Look for and make use of structure.	30	Near Target					DOK2	
17	7 Mathematics		7 Solve a mathematical problem involving the four operations with rational numbers.		Look for and make use of structure.	10	On Target					DOK2	
18	7 Mathematics		2 Solve a real-world problem involving rational numbers.		Reason abstractly and quantitatively.	33	Needs Support					DOK2	
19	7 Mathematics		3 Solve an inequality.		Construct viable arguments and critique the reasoning of others.	11	On Target					DOK3	
20	7 Mathematics		8 Identify the constant of proportionality in a table.		Look for and express regularity in repeated reasoning.	2	On Target					DOK2	
21	7 Mathematics		4 Use the outcome of a simulation to find the probability of a compound event.		Model with mathematics.	14	On Target					DOK2	
22	7 Mathematics		1 Apply the properties of operations to rewrite linear expressions with rational coefficients.		Make sense of problems and persevere in solving them.	6	On Target					DOK2	
23	7 Mathematics		4 Describe the two-dimensional figures that result from slicing three-dimensional figures.		Model with mathematics.	23	At/Near On Target					DOK2	
24	7 Mathematics		1 Solve real-world problems involving volume of a right rectangular prism and a triangular prism.		Make sense of problems and persevere in solving them.	20	On Target					DOK2	
25	7 Mathematics		3 Solve real-world problems involving surface area of a right rectangular prism and a triangular prism.		Construct viable arguments and critique the reasoning of others.	1	On Target					DOK2	
26	7 Mathematics		2 Find the sum of rational numbers.		Reason abstractly and quantitatively.	9	On Target					DOK2	
27	7 Mathematics		2 Compute a unit rate associated with ratios of fractions.		Reason abstractly and quantitatively.	26	Near Target					DOK2	
28	7 Mathematics		2 Write an equation to model a proportional relationship.		Reason abstractly and quantitatively.	29	Near Target					DOK2	
29	7 Mathematics		8 Identify the constant of proportionality in a verbal description of a proportional relationship.		Look for and express regularity in repeated reasoning.	35	Needs Support					DOK2	
30	7 Mathematics		2 Write and solve an inequality that models a situation.		Reason abstractly and quantitatively.	31	Near Target					DOK2	
31	7 Mathematics		2 Write an equation to model a proportional relationship.		Reason abstractly and quantitatively.	18	On Target					DOK2	
32	7 Mathematics		7 Solve a mathematical problem involving the four operations with rational numbers.		Look for and make use of structure.	21	On Target					DOK2	
33	7 Mathematics		7 Rewrite a rational number using properties of operations.		Look for and make use of structure.	3	On Target					DOK1	
34	7 Mathematics		2 Use proportional relationships to solve multistep ratio problems.		Reason abstractly and quantitatively.	19	On Target					DOK2	
35	7 Mathematics		4 Analyze measures of center to draw an informal comparative inference.		Model with mathematics.	22	At/Near On Target					DOK2	
36	7 Mathematics		4 Model the probabilities of events using a circle graph.		Model with mathematics.	32	Needs Support					DOK2	
37	7 Mathematics		2 Describe a situation in which opposite quantities combine to make 0.		Reason abstractly and quantitatively.	34	Needs Support					DOK2	
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At/Near On Target

Near Target

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Item Analysis Report_BOY_AllG3 ReadingG3 WritingG3 MathG4 ReadingG4 WritingG4 MathG5 ReadingG5 WritingG5 MathG6 ReadingG6 WritingG6 MathG7 ReadingG7 WritingG7 MathG8 ReadingG8 Writing+

Ready



ExcelItem Analysis Report_BOY A - Saved

Search (Option + Q)

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Editing

Sort & Filter

Find & Select

Analysis

Share

Comments

Catch up

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	A	B	C	D	E	F	G	H	I	J
1	Column Header	Definition	Possible Values							
2	Grades and Course	The grade level corresponding to each item and test form	3, 4, 5, 6, 7, 8							
3	Content Area	The content area to which that item is assigned	Reading, Writing, Mathematics							
4	CC Math Practice	The numerical code associated with the different mathematical practice standard	1, 2, 3, 4, 7, 8							
5	Learning Target	The specific skill within a content standard that is being assessed in each item	e.g., Use context to determine the meaning of a word in a text.							
6	CC Math Practice Description	The descriptor associated with each mathematical practice standard	e.g., Reason abstractly and quantitatively.							
7	Difficulty Order	Difficulty Order is based on IRT (Item Reponse Theory) with 1 indicating most difficult and 37 being the least difficult	1 through 37							
8	Achievement Level	Students in the listed Achievement Level (or above) are likely to answer the item correctly. Other students are unlikely to answer correctly.	Needs Support, At/Near Near Target, Near Target, At/Near On Target, On Target							
9	Ordinal	The position in which the item appeared on the test form	1 through 37							
10	Asset Type	The item interaction type	Choice = Multiple choice item							
11			Choice, Choice = 2-part multiple choice item							
12	Point Value	The maximum number of points assigned to the item	1, 2							
13	Common Core State Standards - Mathematics	The curriculum standard alignment for the item	e.g., 05.OA.01.01							
14	DOK - Math	The cognitive complexity level of the item	DOK1, DOK2, DOK3							
15	Common Core State Stds - Reading-Revised 03-2012	The curriculum standard alignment for the item	e.g., RI.05.04							
16	DOK - Reading	The cognitive complexity level of the item	DOK1, DOK2, DOK3							
17	Common Core Stds - Language-Revised 03-2012	The curriculum standard alignment for the item	e.g., L.05.04.c							
18	Common Core Stds - Writing-Revised 03-2012	The curriculum standard alignment for the item	e.g., W.05.03.b							
19	DOK - Writing	The cognitive complexity level of the item	DOK1, DOK2, DOK3							
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WritingG4 MathG5 ReadingG5 WritingG5 MathG6 ReadingG6 WritingG6 MathG7 ReadingG7 WritingG7 MathG8 ReadingG8 WritingG8 MathData Dictionary+

Calculation Mode: AutomaticWorkbook Statistics

Give Feedback to Microsoft110%+



Individual Student Report: iMSSA, Cyber City-999, 2020-2021, Beginning, Grade 07

Drill To Selection: Students whose Last Name is Student one, First Name is First org

Student one, First org		
State Student ID: 123546789	District Name: Cyber City-999	School Name: Cyber City Sch1-998
Date of Birth: 01/02/1993	Student Grade: Grade 07	

Overall Summary	Student Achievement Statement
Reading	
Language Usage	
Mathematics	Your child's mathematics score is in the Near Target Level, may need targeted instructional support to progress towards college and career readiness.

Reading Detailed Results	Score	Achievement Level	Projection Level
Reading			
Literary Text			
Informational Text			
Comprehension			
Analysis and Interpretation			
Lexile			

Language Usage Detailed Results	Score	Achievement Level	Projection Level
Language Usage			
Expository Writing Analysis			
English Language Conventions			
Argument Writing Analysis			

Mathematics Detailed Results	Score	Achievement Level	Projection Level
Mathematics	745	Near Target	Somewhat Likely
Geometry		Above	
Problem Solving		At/Near	
Reasoning and Argument		At/Near	
Modeling		Below	
Structure and Repeated Reasoning		Below	
Ratios & Proportional Relationships		At/Near	
The Number System		Below	
Expressions & Equations		At/Near	
Statistics & Probability		Below	
Quantile	820Q		



iMSSA Item Analysis Report

Switch to Live Report

Reflective Next Steps

- *How do we connect this to our PLC process?
- *How do we involve students in the process, so they are informed of their specific needs?
- *What are other ways we could make this data meaningful in improving teaching and learning?

Assessment Literacy Webinar Series

Increasing Assessment Literacy: A Springboard for New Mexico Educators PART A	September 16 October 6 November 4
Increasing Assessment Literacy: A Springboard for New Mexico Educators PART B	September 23 October 13 November 18
Assessment Literacy for Leadership: Exploring how to Support Teachers with the NM Balanced Assessment System	September 15 October 5 November 17
Using Equity Mindset and Culturally Responsive Practices to Ensure Every Student's Success	September 8 October 21 November 23

Questions?



A blurred background of a classroom with several students sitting at their desks. The students are out of focus, but their presence adds a sense of a real-world educational environment. The text is overlaid on this background.

Thank you

Cognia is a global nonprofit that has the knowledge to help schools improve outcomes for all learners.

