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SECTION 1: INTRODUCTION TO NV ELD STANDARDS AND INSTRUCTIONAL SUPPORTS FOR **DEVELOPING THE LANGUAGE OF MATH GRADES K-1**

1A. Purpose and Organization

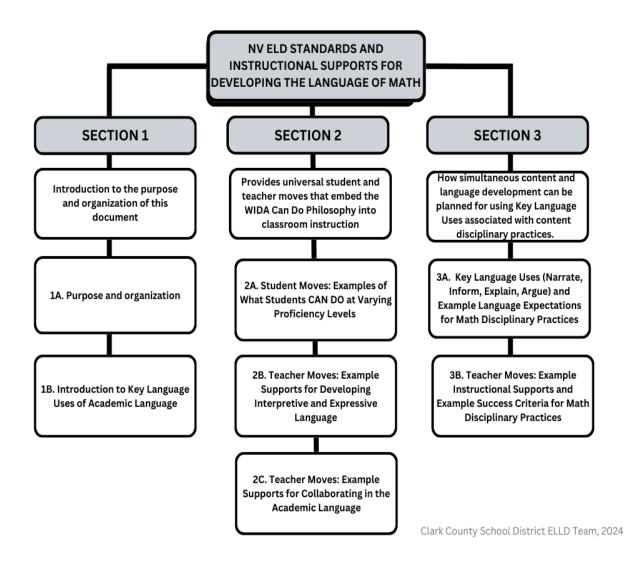
Purpose

The purpose of this document is to provide instructional resources for educators to engage their students in English Language Development Standard 3: English language learners communicate information, ideas, and concepts necessary for academic success in the content area of mathematics.

In 2012 the Nevada Department of Education adopted the WIDA ELD Standards now also referred to as the Nevada ELD Standards. The purpose of the Nevada (NV) English Language Development (ELD) Standards and Instructional Supports documents is to provide content teachers, EL educators, and school leaders with instructional tools to be used to successfully integrate the Nevada English Language Development (ELD) standards with content area instruction leading to student mastery of the Nevada Academic Content Standards (NVACs) for college/career readiness and academic English proficiency. With the use of these tools, educators will be able to make clear instructional connections between the content standards, content disciplinary practices, and the ELD standards. The mathematical practices identified in this document are based on the Nevada Academic Content Standards and the Common Core State Standards (CCSS) for Mathematics. For more information about the overview, purpose, and theoretical foundations for using the Nevada English Language Development (ELD) Standards and Instructional Supports documents see the Nevada ELD Standards and Instructional Supports Overview.

Organization

The Nevada ELD Standards and Instructional Supports for Developing the Language of Math Grades K-1 document is organized into 3 sections.



Section 1 is the introduction to the purpose and organization of this document.

Section 1: INTRODUCTION TO NV ELD STANDARDS AND INSTRUCTIONAL SUPPORTS FOR DEVELOPING THE LANGUAGE OF MATH GRADES K-1

- A. Purpose and Organization
- B. Introduction to Key Language Uses of Academic Language

Section 2 provides universal student and teacher moves that embed the WIDA Can Do Philosophy into classroom instruction.

Section 2 of the document provides descriptors illustrating what students "Can Do" with academic language at various English Language Proficiency (ELP) levels: Entering/Emerging (Level 1-2), Developing/Expanding (Level 3-4) and Bridging/Reaching (Level 5-6) specific to the grade-level cluster. The section also provides instructional practices and strategies called "Teacher Moves" which are research-based, actionable steps that all teachers can take to support the simultaneous development of academic language and content for multilingual learners at various proficiency levels of English language development. For more descriptions of the ELD Strategies identified in Sections 2 and 3, view the GO TO Strategies document from the CAL website.

Section 2: CAN DOS AND EXAMPLE INSTRUCTIONAL SUPPORTS FOR DEVELOPING THE LANGUAGE OF MATH **GRADES K-1**

- A. Student Moves: Examples of What Students Can Do at Varying Proficiency Levels
- B. Teacher Moves: Example Supports for Developing Interpretive and Expressive Language
- C. Teacher Moves: Example Supports for Collaborating in the Academic Language

Section 3 addresses how simultaneous content and language development can be planned for using Key Language Uses associated with content disciplinary practices.

Section 3 provides a table containing exemplars (taken from WIDA 2020) that model for educators the connection of prominent Key Language Uses and Language Expectations to the K-1 Content Disciplinary Practices of Math. "Teacher Moves" relevant to the content area disciplinary practice are provided. Also included in the section are exemplars of student "Success Criteria", examples of how students will be able to demonstrate their learning of language and content at different language proficiency levels.

Section 3: INSTRUCTIONAL GUIDANCE FOR MATH DISCIPLINARY PRACTICES GRADES K-1

- Snapshot Key Language Uses from the WIDA 2020 ELD Standards Framework
- A. Key Language Uses (Inform, Explain, Argue) and Example Language Expectations for Math Disciplinary Practices
 - Prominent Key Language Uses for Math Grades K-1
 - Language Expectations for Math Disciplinary Practices
- B. Teacher Moves: Example Instructional Supports and Example Success Criteria for Math Disciplinary Practices
 - Practice 1: Make sense of problems and persevere in solving them
 - Practice 2: Reason abstractly and quantitatively
 - Practice 3: Construct viable arguments and critique the reasoning of others
 - Practice 4: Model with mathematics
 - Practice 5: Use appropriate tools strategically
 - Practice 6: Attend to precision
 - Practice 7: Look for and make use of structure
 - Practice 8: Look for and express regularity in repeated reasoning

1B. Introduction to Key Language Uses of Academic Language

The WIDA ELD Standards Framework, 2020 Edition maintains the five original ELD standards of the 2012 document and, importantly, operationalizes the WIDA Big Ideas that language development and content learning are to be integrated into assets-based instruction that takes place in the context of a learning environment responsive to cultural and linguistic diversity. These Big Ideas are referred to as the WIDA Can Do Philosophy. Instruction is facilitated by the inclusion of the following components of language which form a common framework within which multilingual students understand academic language: 1) Interpretive (listening, reading, viewing) and Expressive (speaking, writing, representing) language, 2) Key Language Uses, prominent language uses across content area disciplines, 3) Language Expectations, goals for content-driven language learning, and 4) Language Features, a continuum of language development indicators.

Key Language Uses (KLUs) of academic language in the core content areas were identified in WIDA 2020 based on reviews of literature and a language analysis of college and career readiness standards. Throughout this document the KLUs provide a focus for instructional supports. See table below for a description of the KLUs.

KEY LANGUAGE USES	KEY LANGUAGE USES DESCRIPTION
NARRATE	Highlights language to convey real or imaginary experiences through stories and histories. Example tasks for the Key Use of Narrate include telling or summarizing stories, sharing past experiences, recounting an incident, or to chronicle a report.
INFORM	Highlights language to provide factual information, to tell, give knowledge, apprise, notify, to make aware of ideas, actions, or phenomena. Example tasks for the Key Use of Inform include defining, describing, comparing, contrasting, categorizing, or classifying concepts, ideas, or phenomena.
EXPLAIN	Highlights language to give an account for how things work or why things happen to clarify ideas, actions, or phenomena. Example tasks for the Key Use of Explain include interpreting, elaborating, illustrating, simplifying ideas, actions, or phenomena.
ARGUE	Highlights language to justify claims using evidence and reasoning, constructing arguments with evidence, or stating preferences or opinions. Example tasks for the Key Use of Argue include advancing or defending an idea or solution, changing the audience's point of view, or evaluating an issue.

SECTION 2: CAN DOS AND EXAMPLE INSTRUCTIONAL SUPPORTS FOR DEVELOPING THE **LANGUAGE OF MATH GRADES K-1**

Two types of communication modes are incorporated into the WIDA English Language Development Standards Framework: interpretive mode (listening, reading, and viewing) and expressive mode (speaking, writing, and representing). Consistent with the WIDA Can Do Descriptors, the table below provides examples of the academic tasks multilingual learners can successfully carry out in each communication mode. These Student Moves were based on the WIDA K-12 Can Do Descriptors, Key Uses Edition.

2A. Student Moves: Examples of What Students Can Do at Varying Proficiency Levels

With appropriate instructional supports, multilingual learners can...

Communication	Entering/Emerging	Developing/Expanding (Levels 3-4)	Bridging/Reaching
Modes	(Levels 1-2)		(Levels 5-6)
Interpretive: Listening, Reading, & Viewing	 listen to oral directions to select "What comes first, next or last?" in illustrated patterns. imitate sound patterns with physical movement from modeling. match pictures of real-life objects with figures of geometric shapes. listen to oral descriptions of illustrations to identify two-or three-dimensional shapes. match labeled pictures with general words related to estimation to pictures of varying quantities. 	 listen to oral directions to identify patterns from pictures. find pairs of matching words and diagrams of geometric shapes. identify language associated with estimation in illustrated phrases or sentences (e.g., "I see close to 100 nickels."). 	 form patterns from pictures from detailed oral directions. identify words for geometric shapes from labeled diagrams. construct and identify two-or-three dimensional figures described orally. distinguish between language of estimation sentences (e.g., "I have almost one dollar.") and language of precision ("I have one dollar.") in illustrated sentences.

2A. Student Moves: Examples of What Students Can Do at Varying Proficiency Levels (continued)

With appropriate instructional supports, multilingual learners can...

Communication Modes	Entering/Emerging (Levels 1-2)	Developing/Expanding (Levels 3-4)	Bridging/Reaching (Levels 5-6)
Expressive: Speaking, Writing, & Representing	 depict times from illustrated scenes and models using words with invented spellings. recite math-related words or phrases related to basic operations from pictures of everyday objects and oral statements. find and reproduce number words (e.g., from 1-100) from an assortment of labeled visuals. 	 describe representations of basic operations from pictures of everyday objects and oral descriptions. express times of day from illustrated scenes and models using words with invented spellings. compare the size of two objects in pictures using phrases (e.g., "the smaller ball"). 	 make up related sentences or "stories" about differences in size using comparative language from illustrated scenes. produce "stories" about time of day related to events or actions using phrases or short sentences with invented spellings. compare/contrast language of basic operations from pictures and oral descriptions. compare numbers in graphs or visuals using sentences (e.g., "85 is greater than 75. It goes up higher in the table.").

2B. Teacher Moves: Example Supports for Developing Interpretive and Expressive Language

What general supports can teachers provide to students at different language proficiency levels to interpret or express academic language in all language domains?

Entering/Emerging (Levels 1-2)	Developing/Expanding (Levels 3-4)	Bridging/Reaching (Levels 5-6)
INSTRUCTIONAL	INSTRUCTIONAL	INSTRUCTIONAL
 Build background in key language and 	Build background in key language and concepts.	 Build background in key language and
concepts.	 Provide a system for students to record and 	concepts.
 Give two-step contextualized directions. 	process key academic and content-specific	 Confirm students' prior knowledge of
 Restate/rephrase and use Patterned Oral 	vocabulary.	content topics.
Language routines.	 Check comprehension of all students frequently. 	
	Use Wait Time.	LANGUAGE
LANGUAGE	 Ask open-ended questions and require full 	 Use complex sentence and discourse
• Provide explicit instruction and practice in	sentence responses.	starters.
key social and instructional vocabulary.	 Use Varied Presentation Formats such as role plays. 	 Model orally the academic language
 Model orally the academic language 	Scaffold oral reports with note cards and	and specific vocabulary.
and specific vocabulary.	provide time for prior practice.	 Extend content vocabulary with
 Provide explicit instruction and practice 	Provide opportunities for oral reporting for	multiple examples and non-examples.
for students to construct the language	summarizing group work.	 Provide opportunities for
using sentence and discourse starters		translanguaging during the task.
and visual aids from the text.	LANGUAGE	
 Label visuals and objects with target 	Model orally the academic language and specific	INTERACTIVE
vocabulary.	vocabulary.	 Use Reciprocal Teaching to scaffold
• Introduce cognates to aid comprehension.	Provide explicit instruction and practice for	independent reading.
 Provide opportunities for translanguaging 	students to construct the language using sentence	
and multilingual supports during the task.	and discourse starters and visual aids from the	GRAPHIC
	text.	 Ask students to analyze text structure
INTERACTIVE	 Require and scaffold the use of academic language. 	and select an appropriate Graphic
• Pair students to read one text together.	Provide opportunities for translanguaging and	Organizer for summarizing.
 Use Shared Reading and/or simplify the 	multilingual supports during the task.	
text.		SENSORY/MEDIA
	INTERACTIVE	 Use Video Observation Guides.
GRAPHIC	Pair students to read one text together.	
 Preview the text content with pictures, 	Use Jigsaw Reading to scaffold independent	
demos, charts, or experiences.	reading.	
• Use K-W-L charts before reading.		

Entering/Emerging (Levels 1-2)	Developing/Expanding (Levels 3-4)	Bridging/Reaching (Levels 5-6)
 Provide a list of important concepts on a graphic organizer. 	 GRAPHIC Use K-W-L charts before reading. Provide a list of important concepts on a graphic 	
 SENSORY/MEDIA Use physical gestures to accompany oral directives. Preview text with a Picture Walk. Provide a content vocabulary Word Bank with non-linguistic representations. 	organizer. SENSORY/MEDIA • Provide a content vocabulary Word Bank with non- linguistic representations.	

2C. Teacher Moves: Example Supports for Collaborating in the Academic Language

How can teachers provide ongoing opportunities for students to collaborate using academic language? Below are some examples of universal strategies for engaging students in collaborative discourse practices.

Entering/Emerging (Levels 1-2)	Developing/Expanding (Levels 3-4)	Bridging/Reaching (Levels 5-6)
 Prior to reading, writing, and discussion, the teacher prepares collaborative discourse structures for students to engage in pair work (in L1 if possible) to prepare questions for discussion using graphic, interactive, and/or language supports. participate in pair/triad/small group discussions using graphic, interactive, and/or language supports (including L1 as appropriate). 	Prior to reading, writing, and discussion, the teacher prepares collaborative discourse structures for students to • engage pair work to prepare questions for discussion using graphic, interactive, and/or language supports as needed. • contribute to pair/triad/small group discussions by supporting with examples, asking clarifying questions, and using graphic, interactive, and/or language supports as needed.	Prior to reading, writing, and discussion, the teacher prepares collaborative discourse structures for students to • engage in structured pair work to process. • inform and formulate thinking, then prepare questions for discussion. • contribute to pair/triad/small group discussions to share individual ideas and compare with other ideas in the group, using graphic, interactive, and/or language supports as needed.
 use Clock Buddies. use Numbered Heads Together. use Think-Pair-Share Squared. use key sentence frames for pair interactions. 	 engage with whole/large group discussions by connecting ideas with supporting details, generating original questions, and using graphic, interactive, and/or language supports as needed. 	 engage with whole/large group discussions by generating original questions and/or building on the ideas of others using graphic, interactive, and/or language supports as needed.
 participate with Strategic Partners at a higher English proficiency level and/or with a same primary language peer(s). use a Roving Chart in small group work. use Interactive Journals. use Think-Write-Pair-Share. use Cloze sentences with a Word Bank. use dialogue structures (e.g.): My turn/ your turn; Partner A/Partner B; Collaborative 	 use graphic organizers or notes to scaffold oral retelling. use Think-Pair-Share. repeat and expand their responses and other students' responses in a Collaborative Dialogue. use dialogue structures (e.g.): My turn/your turn; Partner A/Partner B; Collaborative groups. 	 use oral reporting for summarizing group work. use dialogue structures (e.g.): My turn/ your turn; Partner A/Partner B; Collaborative groups.

SECTION 3: INSTRUCTIONAL GUIDANCE FOR MATH DISCIPLINARY PRACTICES GRADES K-1

Snapshot of Key Language Uses from the WIDA 2020 ELD Standards Framework

Key Language Uses—Narrate, Inform, Explain, and Argue—are present across all grade levels and disciplines. Determining Key Language Use is helpful in planning instructional outcomes and supports. The Snapshots table below provides descriptors of some ways students engage in each Key Language Use throughout grades K-1.

	Snapshots of Key Language Uses in Kindergarten
Narrate	Reflect on their lived experiences Retell personal experiences Create imaginative new stories through multimodal text, combining drawings and spelling approximations
Inform	Describe observations about the world around them Share observations about experiences and topics they know well Compare and contrast information about individual entities Categorize objects
Explain	 Wonder and ask questions about natural observable phenomena, such how caterpillars become butterflies Construct pictorial representations of their emerging understandings of phenomena Ask and answer how things work or why things are the way they are
Argue	Express likes and dislikes on familiar topics, such as food and games Express emotions stemming from personal experiences Share opinions about issues from their own lives

	Snapshots of Key Language Uses in Grade 1
Narrate	Imagine and create new stories Begin to develop a sense of story structures Interpret narratives read aloud with predictable structures and language patterns
Inform	 Describe and define familiar concepts or topics Categorize and classify information Interpret and construct brief descriptions or reports on familiar, concrete entities, such as animals, objects, places, or people
Explain	Describe their observations in relation to concrete phenomena in their immediate environment Ask and answer questions about how things work or why things are the way they are Interpret and construct multimodal representations of their emerging understandings of observed relationships
Argue	Formulate opinions Give reasons for their opinions Interpret persuasive texts

3A. Key Language Uses (Inform, Explain, Argue) and Example Language Expectations for Math Disciplinary Practices

The Math Key Language Uses in the graphic below are marked with a filled-in circle (●) in the boxes. The half-filled circle and the open circle indicate lesser degrees of prominence of each Key Language Use.

Distribution of Math Key Language Uses in Kindergarten and Grade 1				
WIDA ELD STANDARD Narrate Inform Explain Argue				
1. Language for Mathematics				•
● Most Prominent ● Prominent ○ Present				

Adapted from the WIDA 2020 Standards Framework p. 290-292

The table below lists the 8 Mathematical Practices from the Nevada Academic Content Standards and provides example Language Expectations for each Prominent and Most Prominent Key Language Use (KLU) of Academic Language associated with WIDA ELD Standard 3 Language for Mathematics (For a more detailed listing of grade-level Language Expectations to support mastery of content area standards see WIDA English Language Development Standards Framework, 2020 Edition Kindergarten - Grade 12 (wisc.edu) pp. 50; 70).

	KEY LANGUAGE USES		
Math Practices	Inform	Explain	Argue
1. Make sense of problems and persevere in solving them.	Multilingual learners make sense of problems and persevere in solving them by describing and summarizing their implementation of strategies using mathematical terms and phrases, sequential signals (first, second, then, last), and causal connectors (because, so) to provide reasoning.	Multilingual learners make sense of problems and persevere in solving them by constructing mathematical explanations that introduce concepts or entities by using mathematical terms and phrases to describe reasoning, add precision and detail (e.g. <i>flat</i> or <i>solid</i> shapes).	See Math Practice 3. Construct viable arguments and critique the reasoning of others.
2. Reason abstractly and quantitatively.	Multilingual learners reason abstractly and quantitatively by restating and showing their mathematical reasoning using mathematical terms to add precision and details, and use causal connectors (because, so) to link ideas and provide reasoning.	Multilingual learners reason abstractly and quantitatively by restating their mathematical reasoning using expanded noun groups to add specificity (<i>The red star has five points</i>), and mathematical words and phrases to add precision and detail.	See Math Practice 3. Construct viable arguments and critique the reasoning of others.

	KEY LANGUAGE USES			
Math Practices	Inform	Explain	Argue	
3. Construct viable arguments and critique the reasoning of others.	Multilingual learners construct viable arguments and critique the reasoning of others by conveying clear and precise arguments using mathematical terms including technical nouns (place value, commutative property) to add precision and detail, past tense to quote (said, thought, explained), and causal connectors (because, so) to link ideas and provide reasoning.	Multilingual learners construct viable arguments and critique the reasoning of others by explaining their mathematical thinking using technical language associated with visuals to support approach and conditional clauses (if, then) to demonstrate relationships.	Multilingual learners construct viable arguments and critique the reasoning of others by justifying, persuading, and rationalizing their use of strategies and communicate them to others providing evidence using visuals and models to demonstrate thinking.	
4. Model with mathematics.	Multilingual learners construct a mathematical model using visuals, charts, diagrams, manipulatives, technical language and connectors (first, second because, so that, when,) to order steps and show causal relationships.	Multilingual learners' model with mathematics by explaining their thinking using technical language associated with the model to support their approach, connectors to recount steps (first, next, then, because, so), and conditional clauses (if, then) to demonstrate relationships.	See Math Practice 3. Construct viable arguments and critique the reasoning of others.	
5. Use appropriate tools strategically.	Multilingual learners select and use appropriate tools by strategically aligning to the mathematical task and describing their selection rationale using technical language associated with manipulatives, visuals, and connectors (because, so, and) to link steps taken with reasoning.	Multilingual learners explain their strategic use of tools using precise technical language (operation, three equal sides) associated with visuals and manipulatives and past-tense verbs to recount steps (added, divided, found).	See Math Practice 3. Construct viable arguments and critique the reasoning of others.	
6. Attend to precision.	Multilingual learners use precise mathematical language to define, classify, describe, or compare/contrast a mathematical concept, reasoning, or process.	Multilingual learners elaborate by using precise mathematical vocabulary and math specific discourse supported by adding multiple adjectives to nouns (three equal sides) to define, describe, or classify, and compare/contrast signals (both, same, different) to differentiate results, approaches and attributes.	See Math Practice 3. Construct viable arguments and critique the reasoning of others.	

	KEY LANGUAGE USES			
Math Practices	Inform	Explain	Argue	
7. Look for and make use of structure.	Multilingual learners identify and describe mathematical structures using mathematical terms including technical language associated with manipulatives and visuals, and compare/contrast signals (both, same, different, but) to differentiate attributes of objects.	Multilingual learners explain their use of mathematical structure using technical language associated with visuals and manipulatives to support approach, and conditional clauses (<i>if</i> , then) to demonstrate relationships.	See Math Practice 3. Construct viable arguments and critique the reasoning of others.	
8. Look for and express regularity in repeated reasoning.	Multilingual learners identify and describe repeated reasoning and evaluate the reasonableness of intermediate results using conditional clauses (<i>if, then</i>) to demonstrate relationships and causal connectors (<i>because, so</i>) to link ideas and provide reasoning.	Multilingual learners look for and express regularity in repeated reasoning by explaining their mathematical thinking using expanded noun groups (this has three equal sides) to add specificity, technical language to add precision and detail, and conditional clauses (if, then) to demonstrate relationships.	See Math Practice 3. Construct viable arguments and critique the reasoning of others.	

3B. Teacher Moves: Example Instructional Supports and Example Success Criteria for Math Disciplinary Practices

Mathematical Practices 1-8

Teacher Moves: What supports can teachers provide students at different proficiency levels to use language to interpret or make meaning of the content? Examples:

Entering/Emerging (Levels 1-2)	Developing/Expanding (Levels 3-4)	Bridging/Reaching (Levels 5-6)
 INSTRUCTIONAL Provide tasks for students to draw a picture of their solution and label it. Provide adequate time for students to process the language and content. Recast student speech to further model at an appropriately scaffolded level the use of language with content. Use mentor texts (student or teacher generated) to draft text-based discourse and receive feedback in preparation for lesson/unit assessment expectations. 	 INSTRUCTIONAL Provide tasks for students to use illustrations or numbers to explain their understanding. Provide adequate time for students to process the language and content. Recast student speech to further model at an appropriately scaffolded level the use of language with content. Use mentor texts (student or teacher generated) to draft text-based discourse and receive feedback in preparation for lesson/unit assessment expectations. 	 INSTRUCTIONAL Provide tasks for students to use illustrations or numbers to explain their understanding. Extend student language by modeling at an appropriately scaffolded level the use of language with content. Use mentor texts (student or teacher generated) to draft text-based discourse and receive feedback in preparation for lesson/unit assessment expectations.
 LANGUAGE Model orally the academic language and content specific vocabulary required by the lesson. Provide a word bank. Provide adequate time for students to practice the language and content with opportunity to receive specific feedback. Provide simple sentence frames for students to practice extended discourse in the content area. 	 LANGUAGE Model orally the academic language and content specific vocabulary required by the lesson. Provide a word bank. Provide adequate time for students to practice the language and content with opportunity to receive specific feedback. Provide students with sentence frames from a leveled list of scaffolding statements. 	 Model orally the academic language and content specific vocabulary required by the lesson. Provide adequate time for students to practice the language and content with opportunity to receive specific feedback. Provide advanced levels of sentence starters used for the focused language structures (i.e. comparing/contrasting; explaining, justifying, etc.). Provide students with sentence frames from a leveled list of scaffolding
Mathematical Practice (MP) Examples:	Mathematical Practice (MP) Examples:	statements.
(MP1) I count (MP2) is greater than/less than/equals	(MP1) There were Now I have (MP2) I started with I added/ subtracted Now, I have	Mathematical Practice (MP) Examples: (MP1) There are in all.

Entering/Emerging (Levels 1-2)	Developing/Expanding (Levels 3-4)	Bridging/Reaching (Levels 5-6)
(MP3) My answer/strategy is (MP4) I used the model (MP5) The best tool to use is because (MP6) This picture shows (math term). (MP7) How are the same/different? (MP8) I see a pattern. (Point) The pattern is	(MP3) My solution is different from yours. I think this because (MP4) This part of the model shows (MP5) I used the same/different tool as you. My reason is (MP6) (math term) means (from word bank). (MP7) and are similar/different because (MP8) The repeated patterns I found are	(MP2) This is similar to/different than because (MP3) I don't understand Can you tell me more about? (MP4) I decided to draw because In my model represents My model shows (MP5) I didn't understand why/how you used (tool). Please tell me more. (MP6) I know this is a (math term) because (MP7) I broke the problem into smaller
 INTERACTIVE Provide consistent opportunities for students to share with a partner or in a small group their thinking using sentence frames to support the production and rehearsal of language. GRAPHIC Show students how to record academic vocabulary with pictures, words, or symbols. 	 INTERACTIVE Provide students the opportunity to share with a partner or in a small group their thinking using sentence frames to support the production and practice of language. Provide tasks for students to state and clarify their reasoning to a partner or small group and listen to the ideas of others to agree or disagree with reasons. 	steps by (MP8) The pattern shows, so I know INTERACTIVE • Provide dialogue structure (ex. partner A talks then partner B). • Provide tasks for students to state and clarify their reasoning to a partner or small group and listen to the ideas of others to agree or disagree with reasons.
 SENSORY/MEDIA Use pictures, symbols, and illustrations when possible. Provide math manipulatives for students to model math problems. 	 SENSORY/MEDIA Use pictures, symbols, and illustrations when possible. Provide math manipulatives for students to model math problems. 	SENSORY/MEDIA ● Provide math manipulatives for students to model math problems.

3B. Teacher Moves: Example Instructional Supports and Example Success Criteria for Math Disciplinary Practices (continued)

Mathematical Practices 1-8

Success Criteria: How will students be able to communicate or demonstrate their learning of language and content at different language proficiency levels? Examples:

Entering/Emerging	Developing/Expanding	Bridging/Reaching	
(Levels 1-2)	(Levels 3-4)	(Levels 5-6)	
With prompting and supports, multilingual learners will	With appropriate supports, multilingual learners will	With appropriate supports, multilingual learners will	
Key Language Use – Inform	Key Language Use – Inform	Key Language Use – Inform	
 reason abstractly and quantitatively by restating their mathematical reasoning using expanded noun groups to add specificity (The red star has five points), and mathematical words and phrases to add precision and detail in order to explain a preferred student problem-solving strategy with the aid of visual and L1 supports, word banks/anchor charts, and simple sentence frames. 	 reason abstractly and quantitatively by restating their mathematical reasoning using expanded noun groups to add specificity (The red star has five points), and mathematical words and phrases to add precision and detail in order to explain and justify a preferred student problem-solving strategy with the aid of visual supports, word banks/anchor charts, and simple sentence frames. 	 reason abstractly and quantitatively by restating their mathematical reasoning using expanded noun groups to add specificity (The red star has five points), and mathematical words and phrases to add precision and detail in order to explain and justify a preferred student problem solving strategy with the aid of language frames and other supports as needed. 	