Math Performance Level Descriptors for Students with Significant Cognitive Disabilities
Grade 7/8 Level A

BELOW BASIC (Emerging)	BASIC (Novice)	PROFICIENT
A student in grade 7 or 8 performing at the BELOW BASIC (EMERGING) level on the Level A PASA Math is passively or actively engaged in the task. The student requires extensive support to complete targeted skills. The support provided may include frequent teacher cues to ensure the correct response, physical prompting, being directed back to the specific task, modification of math vocabulary, verbal and non-verbal clues to clarify concept, reduction of the array, or hand over hand assistance to ensure the correct response. The support provided may reduce the cognitive complexity of the skills assessed. The student demonstrates limited understanding of the math vocabulary necessary to complete the targeted skills.	A student in grade 7 or 8 performing at the BASIC (NOVICE) level on the Level A PASA Math performs many of the targeted skills correctly. The student is actively engaged in the task, but requires moderate support to complete some targeted skills. The support provided may include modification of the task complexity through reduction of the array by only one item, verbal prompting, modification of math vocabulary, breaking down multi-step tasks into single steps or providing additional alternate prompts. The student demonstrates a basic understanding of the vocabulary necessary to complete the targeted skills.	A student in grade 7 or 8 performing at the PROFICIENT level on the Level A PASA Math performs the majority of the targeted skills independently. The student actively performs the tasks, is completely engaged, and requires some support such as verbal prompting for clarification of the question or repetition of the prompt. The support provided does not reduce the cognitive complexity of the skills assessed. The student may self correct without additional information from the administrator. The student demonstrates understanding of the math vocabulary to complete the task.
Tasks on the grade 7/8 Level A PASA Math assessments are multiple choice with 2 distractors that look very different from the correct response. A student performing at the BELOW BASIC (EMERGING) Level on the grade 7/8 Level A PASA Math can perform the following independently:	Tasks on the grade 7/8 Level A PASA Math assessments are multiple choice with 2 distractors that look very different from the correct response A student performing at the BASIC (NOVICE) Level on the grade 7/8 Level A PASA Math can perform the following independently:	Tasks on the grade 7/8 Level A PASA Math assessments are multiple choice with 2 distractors that look very different from the correct response A student performing at the PROFICIENT Level on the grade 7/8 Level A PASA Math can perform the following independently:
NUMBERS AND OPERATIONS • Scans materials	**NUMBERS AND OPERATIONS** • Scans materials • Identifies one- or five-dollar bills • Matches identical numerals • Matches sets with equal number of items • Selects the set that has 1 item	**NUMBERS AND OPERATIONS** • Scans materials • Identifies one- or five-dollar bills • Matches identical numerals • Matches sets with equal number of items • Selects the set that has 1 item • Selects set with most/least
	MEASUREMENT • Matches objects, pictures, or photographs of equal length • Matches identical shapes, objects, pictures, or photographs of same size • Selects biggest/smallest shape, object, picture, or photograph	**MEASUREMENT** • Matches objects, pictures, or photographs of equal length • Matches identical shapes, objects, pictures, or photographs of same size • Selects biggest/smallest shape, object, picture, or photograph

	• Selects biggest/smallest object by volume • Identifies what object "tells time" • Matches identical digital times • Matches items with same capacity • Identifies full vs. empty	• Selects biggest/smallest object by volume • Identifies what object "tells time" • Matches identical digital times • Matches items with same capacity • Identifies full vs. empty • Identifies capacity/volume of a container • Selects item that holds the most/least • Selects longest/shortest object, picture, or photograph
	GEOMETRY • Adds object to group of others with same shape	**GEOMETRY** Adds object to group of others with same shape

Math Performance Level Descriptors for Students with Significant Cognitive Disabilities
Grade 7/8 Level B

BELOW BASIC (Emerging)	BASIC (Novice)	PROFICIENT
A student in grade 7 or 8 performing at the BELOW BASIC (EMERGING) level on the Level B PASA Math is actively engaged in the task but requires extensive support to complete targeted skills. The support provided may include modification of the task complexity through reduction of the array, multiple prompts or being directed back to the specific task. The support provided reduces the cognitive complexity of the skills assessed. The student demonstrates limited understanding of the math vocabulary and number sense necessary to complete the targeted skills.	A student in grade 7 or 8 performing at the BASIC (NOVICE) level on the Level B PASA Math performs many of the targeted skills correctly. The student is actively engaged in the task, but requires moderate support to complete some targeted skills. The support provided may include modification of the task complexity, modification of math vocabulary, reduction of the array, or breaking down multi-step tasks into single steps. The student demonstrates a basic understanding of the math vocabulary and number sense to complete the targeted skills.	A student in grade 7 or 8 performing at the PROFICIENT level on the Level B PASA Math performs the majority of targeted skills independently. The student actively performs the tasks, is completely engaged, and requires some support such as verbal prompting that does not reduce the cognitive complexity of the skill. The support provided does not reduce the cognitive complexity of the skills assessed. The student may self correct. The student demonstrates understanding of the vocabulary and number sense to complete the targeted skills.
Grade 7/8 Level B PASA Math consists of mainly selected response items with limited production items; selection items on the have 3 distractors, two of which are related. A student performing at the BELOW BASIC (EMERGING) Level on the grade 7/8 Level B PASA Math can perform the following independently:	Grade 7/8 Level B PASA Math consists of mainly selected response items with limited production items; selection items on the have 3 distractors, two of which are related. A student performing at the BASIC (NOVICE) Level on the grade 7/8 Level B PASA Math can perform the following independently:	Grade 7/8 Level B PASA Math consists of mainly selected response items with limited production items; selection items on the have 3 distractors, two of which are related. A student performing at the PROFICIENT Level on the grade 7/8 Level B PASA Math can perform the following independently:
NUMBERS AND OPERATIONS • Selects coins worth 1, 5, 10, or 25 cents	**NUMBERS AND OPERATIONS** • Selects coins worth 1, 5, 10, or 25 cents • Matches numerals to quantities for amounts less than 20 • Counts aloud 1-19 items, one-dollar bills, or pennies • Selects item divided evenly into the number of pieces specified • Adds 2 or 3 numbers or prices with sums up to 19	**NUMBERS AND OPERATIONS** • Selects coins worth 1, 5, 10, or 25 cents • Matches numerals to quantities for amounts less than 20 • Counts aloud 1-19 items, one-dollar bills, or pennies • Selects item divided evenly into the number of pieces specified • Adds 2 or 3 numbers or prices with sums up to 19 • Subtracts 2 numbers or prices, each less than 20 • Orders 3 sets of 1-19 items, numbers, or prices

MEASUREMENT	MEASUREMENT	MEASUREMENT
• Reads analog times on the hour • Measures area of an item by counting up to 19 units	• Reads analog times on the hour • Measures area of an item by counting up to 19 units • Selects largest/smallest area • Reads digital time in 5-minute intervals • Selects activity that takes the most/least amount of time	• Reads analog times on the hour • Measures area of an item by counting up to 19 units • Selects largest/smallest area • Reads digital time in 5-minute intervals • Selects activity that takes the most/least amount of time • Measures lengths/widths and compares distances using a ruler with 1 inch markings • Selects longest/shortest distance • Selects ½-cup measure
	GEOMETRY • Adds 2 items to each of 4 groups	**GEOMETRY** • Adds 2 items to each of 4 groups
DATA ANALYSIS AND PROBABILITY • Selects largest/smallest value on graph or table	**DATA ANALYSIS AND PROBABILITY** • Selects largest/smallest value on graph or table	**DATA ANALYSIS AND PROBABILITY** • Selects largest/smallest value on graph or table • Reads and uses data presented in tables and graphs (all numbers less than 20)

Math Performance Level Descriptors for Students with Significant Cognitive Disabilities
Grade 7/8 Level C

BELOW BASIC (Emerging)	BASIC (Novice)	PROFICIENT	ADVANCED
A student in grade 7 or 8 performing at the BELOW BASIC (EMERGING) level on the Level C PASA Math is actively engaged in the task but requires support to complete targeted skills. The support provided may include modification of the task complexity, modification of math vocabulary, reduction of the array, breaking down multi-step tasks into single steps) or extended processing time. The support provided reduces the cognitive complexity of the skills assessed. The student needs moderate assistance in manipulating math tools (i.e., calculator, ruler, measuring items) and determining the appropriate operation during calculations. The student demonstrates a limited understanding of the math vocabulary and number sense required to complete the targeted skills.	A student in grade 7 or 8 performing at the BASIC (NOVICE) level on the Level C PASA Math is actively engaged in the task, but requires moderate support to complete the targeted skills. Support provided may include modification of the task complexity, modification of math vocabulary, reduction of the array of choices, verbal prompting, breaking apart multi-step tasks, or providing the additional alternate prompt. The student may need assistance using math tools (i.e., calculator, ruler, measuring items) and determining the appropriate operation during calculations. The student demonstrates a basic understanding of the math vocabulary and number sense necessary to complete the targeted skills.	A student in grade 7 or 8 performing at the PROFICIENT level on the Level C PASA Math is actively engaged and performs the majority of targeted skills independently. The student requires minimal support such as verbal prompting. The support provided does not reduce the cognitive complexity of the skills assessed. The student may self correct. The student selects the proper operation given the context of the problem and completes basic math computations. The student uses math tools (i.e., calculator, ruler, measuring items) and determines the appropriate operation during calculations. The student demonstrates understanding of the math vocabulary and number sense necessary to complete the targeted skills.	A student in grade 7 or 8 performing at the ADVANCED level on the Level C PASA Math is actively engaged and performs the targeted skills independently. The student completes multi-step tasks and uses strategies such as self-correction, eliminating distracters and requesting clarification. The student selects the proper operation given the context of the problem and completes basic math computations. The student uses math tools (i.e., calculator, ruler, measuring items) and determines the appropriate operation during calculations. The student demonstrates understanding of the math vocabulary and number senses necessary to complete the targeted skills.
Grade 7/8 Level C Math contains a majority of production items, and the selected response items have 4 distractors; option choices for the selected response items are often closely related. A student performing at the BELOW BASIC (EMERGING) Level on the grade 7/8 Level C PASA Math can perform the following independently:	Grade 7/8 Level C Math contains a majority of production items, and the selected response items have 4 distractors; option choices for the selected response items are often closely related. A student performing at the BASIC (NOVICE) Level on the grade 7/8 Level C PASA Math can perform the following independently:	Grade 7/8 Level C Math contains a majority of production items, and the selected response items have 4 distractors; option choices for the selected response items are often closely related. A student performing at the PROFICIENT Level on the grade 7/8 Level C PASA Math can perform the following independently:	Grade 7/8 Level C Math contains a majority of production items, and the selected response items have 4 distractors; option choices for the selected response items are often closely related. A student performing at the ADVANCED Level on the grade 7/8 Level C PASA Math can perform the following independently:
NUMBERS AND OPERATIONS • Adds 2 or 3 numbers or prices in word problems, with sums less than 100 using a calculator or paper and pencil	**NUMBERS AND OPERATIONS** • Adds 2 or 3 numbers or prices in word problems, with sums less than 100 using a calculator or paper and pencil	**NUMBERS AND OPERATIONS** • Adds 2 or 3 numbers or prices in word problems, with sums less than 100 using a calculator or paper and pencil	**NUMBERS AND OPERATIONS** • Adds 2 or 3 numbers or prices in word problems, with sums less than 100 using a calculator or paper and pencil

	• Subtracts 2 numbers or prices in a word problem, each number less than 100, using a calculator or paper and pencil • Multiplies by counting, products less than • Counts aloud 1-100 items by 1s, 5s, and 10s • Counts out a combination of one, five- and ten-dollar • Orders 4 nonconsecutive numbers, each less than 99 • Selects quantity that is enough • Selects item divided evenly into the number of pieces specified • Reads a simple fraction	• Subtracts 2 numbers or prices in a word problem, each number less than 100, using a calculator or paper and pencil • Multiplies by counting, products less than • Counts aloud 1-100 items by 1s, 5s, and 10s • Counts out a combination of one, five- and ten-dollar • Orders 4 nonconsecutive numbers, each less than 99 • Selects quantity that is enough • Selects item divided evenly into the number of pieces specified • Reads a simple fraction • Matches simple fraction to picture divided into fractional parts • Identifies item that can be purchased for the price named • Identify equation that solves addition word problem • Divides 2 to 99 items by distributing into equal groups	• Subtracts 2 numbers or prices in a word problem, each number less than 100, using a calculator or paper and pencil • Multiplies by counting, products less than • Counts aloud 1-100 items by 1s, 5s, and 10s • Counts out a combination of one, five- and ten-dollar • Orders 4 nonconsecutive numbers, each less than 99 • Selects quantity that is enough • Selects item divided evenly into the number of pieces specified • Reads a simple fraction • Matches simple fraction to picture divided into fractional parts • Identifies item that can be purchased for the price named • Identify equation that solves addition word problem • Divides 2 to 99 items by distributing into equal groups
	MEASUREMENT • Reads analog time at 5-minute intervals • Solves word problems involving passage of time	**MEASUREMENT** • Reads analog time at 5-minute intervals • Solves word problems involving passage of time • Measures length/width of item using ruler with 1/2-inch markings	**MEASUREMENT** • Reads analog time at 5-minute intervals • Solves word problems involving passage of time • Measures length/width of item using ruler with 1/2-inch markings • Measures to 1/2-cup mark on a 1-cup measure
	GEOMETRY • Sorts 9 items into 4 groups	**GEOMETRY** • Sorts 9 items into 4 groups	**GEOMETRY** • Sorts 9 items into 4 groups
DATA ANALYSIS AND PROBABILITY • Selects mode value on graph	**DATA ANALYSIS AND PROBABILITY** • Selects mode value on graph	**DATA ANALYSIS AND PROBABILITY** • Selects mode value on graph • Selects most/least likely outcome • Reads data presented in tables or	**DATA ANALYSIS AND PROBABILITY** • Selects mode value on graph • Selects most/least likely Outcome • Reads data presented in tables

		graphs (numbers less than 1000	or graphs (numbers less than 100) • Used data presented in tables or graphs (numbers less than 100)