## Grade 1 Mathematics - Unit 1: Number Sense to 10 <br> Phoenixville Area School District

## Stage 1 Desired Results

| PA Core Standards: CC.2.1.1.B. 1 Extend the counting sequence to read and write numerals to represent objects. | Transfer |  |
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|  | TRANSFER GOALS <br> Students will be able to independently use their learning to... <br> - Number Sense: Develop a sound foundation to demonstrate the value of numbers by dissecting their various representations, relationships and patterns. <br> - Fluency: Demonstrate automatic recall of addition, subtraction, multiplication and division facts. <br> - Problem Solving: Persistently apply various problem-solving strategies and organized approaches to accurately understand and solve problems. <br> - Mathematical Vocabulary: Interpret mathematical vocabulary and apply proper terminology to engage in meaningful oral and written expression that communicates mathematical thinking, problem solving methods and rationale. |  |
|  | Meaning |  |
| CC.2.2.1.A. 2 <br> Understand and apply properties of operations and the relationship between addition and subtraction. | UNDERSTANDINGS <br> Students will understand that... <br> - There are many ways to represent a number. <br> - Identifying relationships between numbers helps classify and compare them. <br> - Operations and numerical properties increase computational fluency. <br> - Depending on the situation, problems may be solved using a variety of tools and strategies. | ESSENTIAL QUESTIONS <br> Students will keep considering... <br> - What are the different ways to represent a number? <br> - How can I use models and words/expanded form to order and compare numbers? <br> - How are the basic operations related to one another? <br> - What information and strategies do I use to solve this problem? What is the right tool for the job? |



## Stage 2 - Evidence

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| Code $\mathrm{A} / \mathrm{M} / \mathrm{T}$ | Evaluative Criteria | Assessment Evidence |  |
| A/M |  | Unit 1 Test Part 1: Numbers to 10 (Math in Focus Chapter 1 Test Prep) Combination of multiple choice and fill in the blank questions. <br> - Count groups of objects and select number in numeral and word form <br> - Extend counting sequence by 1 <br> - Identify 1 more than a group of items <br> - Select a number less than another <br> - Given a number in word form, write the numeral <br> - Given groups of objects, select groups that have the same, and more <br> - Find missing numbers in a counting sequence <br> - Count a group of items and write the number in word form <br> - Compare groups of items using terms more, the same, and fewer. <br> - Identify numbers that are more than a given number and less than a given number. |  |
| M/T | Rubric | PERFORMANCE TASK(S) <br> Students will demonstrate understanding (meaning-making and transfer) through complex performance by... <br> Performance Task A: Fall Harvest Parade <br> Students will complete a parade diagram. <br> - Goal: Your task is to put fall festival parade characters in order so the parade can start on time and each character parades in the right order. <br> - Role: You are the parade coordinator <br> - Audience: Phoenixville Area Early Learning Center community members <br> - Situation: You will need to order the characters based off of provided directions. <br> - Product: You will order pictures of the characters in order for how they should parade. <br> - Success Criteria: Given sequence-based criteria (fourth, first, next, last) students will logically sequence all the characters to meet the appropriate criteria. | Differentiation Considerations: <br> [Work on this section after completing Stages 1-2 of all units] |


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| MT | Rubric | PERFORMANCE TASK <br> Students will demonstrate understanding (meaning-making and transfer) through complex performance by... <br> Performance Task B: Flower Bouquet Designs <br> Students will complete a parade diagram. <br> - Goal: Your task is to find all of the different ways to create a bouquet using two different types of flowers. Each bouquet will have the same number of flowers in all but should have different combinations of the two types of flowers. <br> - Role: You are the florist <br> - Audience: Flower shop owner <br> - Situation: You will need to create different bouquet designs using two different types of flowers while having each bouquet have the same total number of flowers in all. <br> - Product: You will draw each bouquet design to show visual for the shop owner and shop customers to see the variety of bouquets they can purchase. <br> - Success Criteria: Each bouquet should have a different combination of flowers that total the same number of flowers. | Differentiation Considerations: Students could use more than two types of flowers to create combinations (more than two parts to create a whole) <br> Use flower pictures instead of drawing for students with fine motor concerns. |
| A/M |  | Unit 1 Test Part 3: Addition \& Subtraction Combination of multiple choice and fill in the blank questions. <br> - Given a picture, identify matching number sentence <br> - Add two numbers together to find sums within 10 <br> - Solve real world story problems and write matching number sentence used to find answer <br> - Use a picture to complete a number bond (identifying parts and whole) and write matching addition sentence. <br> - Solve a number sentence and find a related fact using opposite operation <br> - Subtract one number from another <br> - Take away to find what is left |  |

