## Grade 5 Mathematics - Unit 4: Decimals <br> Phoenixville Area School District

## Stage 1 Desired Results

## PA Core Standards:

CC.2.1.5.B. 1 - Apply placevalue concepts to show an understanding of operations and rounding as they pertain to whole numbers and decimals.
CC.2.1.5.B.2 - Extend an understanding of operations with whole numbers to perform operations including decimals.

## PSSA Assessment

## Anchors:

M05.A-T.1.1 - Demonstrate understanding of place-value of whole numbers and decimals and compare quantities or magnitudes of numbers.

M05.A-T.2.1 - Use whole numbers and decimals to compute accurately (straight computation or word problems).

## Transfer

## TRANSFER GOALS

Students will be able to independently use their learning to...

- Number Sense: Develop a sound foundation to demonstrate the value of numbers by describing their various representations, relationships, and patterns.
- Fluency: Demonstrate automatic recall of addition, subtraction, multiplication and division facts.
- Problem-Solving: Persistently apply various problem-solving strategies and organized approaches to accurately understand and solve problems.
- 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

## UNDERSTANDINGS

Students will understand that...

- Estimation helps determine the reasonableness of an answer.
- Identifying relationships between numbers helps classify and compare them.
- There are many ways to represent a number.
- Mathematics is a language of carefully defined terms and symbols.

ESSENTIAL QUESTIONS
Students will keep considering...

- What are different ways to represent a number?
- How do I demonstrate the relationship among numbers, quantities, and place value for whole numbers?
- How can I use models, words, and expanded forms to order and compare numbers?
- Have I sufficiently supported my answer and shown my work?



## Stage 2 - Evidence

| Stage 2 - Evidence |  |  |  |
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| Code A/M/T | Evaluative Criteria | Assessment Evidence |  |
| N/A | N/A | PERFORMANCE TASK(S) <br> Students will demonstrate understanding (meaning-making and transfer) through complex performance by... <br> School Supplies Performance Task (Adding and Multiplying Decimals) <br> Students will add and multiply decimal amounts to find the best prices on school supplies. <br> - Goal: Your task is to figure out which school supply store is cheaper for purchasing various school supplies. <br> - Role/Audience: You are a 5th grade teacher shopping for your students. <br> - Situation/Product: You will use addition and multiplication of decimals to determine total costs of supplies. <br> - Success Criteria: Your work, solutions and explanations are accurate and clearly represent the steps you took to answer each question. <br> Math in Focus: Chapter 4 Performance Task CC.2.1.5.B. 1 <br> - MIF Student Edition Pages 325-329 <br> - All problems appropriate for assessment <br> Math in Focus: Chapter 5 Performance Task CC.2.1.5.B. 2 <br> - MIF Student Edition Pages 449-452 <br> - All problems appropriate for assessment | Differentiation Considerations: N/A |
| A/M | Uses mathematics vocabulary and notation concisely and correctly. All necessary work is shown with no missing information/skipped steps. | Unit Test A: Decimals CC.2.1.5.B. 1 <br> - See Math in Focus Chapter 4 Test <br> - Multiple Choice <br> - Open-Ended Response <br> - Constructed Response Prompts (TBD) | Differentiation Considerations: <br> [Work on this section after completing Stages 1-2 of all units] |


|  |  | Canvas Math in Focus Chapter 4 Test - Shared in Commons <br> - Search "Math in Focus: $5^{\text {th }}$ grade Chapter 4 Test 2020-2021" <br> Unit Test B: Multiplying and Dividing Decimals CC.2.1.5.B. 2 <br> - See Math in Focus Chapter 5 Test <br> - Multiple Choice <br> - Open-Ended Response <br> - Constructed Response Prompts (TBD) <br> Canvas Math in Focus Chapter 5 Test - Shared in Commons <br> - Search "Math in Focus: $5^{\text {th }}$ grade Chapter 5 Test 2020-2021" |  |
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