| Name:                  | Grading Quarter: | Week Beginning: Week 8 |
|------------------------|------------------|------------------------|
| Reynolds, Moon         | 1                | 9/23/24-9/27/24        |
| School Year: 2024-2025 | Subject: Math    | _                      |

## Notes:

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## Objective:

- Students use decimal grids to represent subtraction of decimals with different numbers of decimals places.
- Students write a power of 10 as a multiplication expression with factors of 10.
- Students write a power of 10 using a base of 10 and exponents.
- Students use patterns to determine products when multiplying who numbers by powers of 10.
- Students explain patterns in the products when multiplying whole numbers by powers of 10.
- Students estimate products of multi-digit factors using the same strategies used to estimate products of lesser factors.
- Studes use estimated products to make predictions about a calculated solution.
- Students use estimated product to assess the reasonableness of a calculated solution.

# Language Objectives:

- Students discuss using patterns to solve problems while answering Wh-questions and using longer.
- Students explain the steps to take to write a power of 10 as a multiplication expression while using the passive voice.
- Students talk about the patterns they see in products while answering Whquestions.
- Students discuss estimating products while answering Wh- questions.

## **Lesson Overview:**

- Lesson 4-6 Represent Subtraction of Tenths and Hundredths
- Unit 4 Test Addition/Subtraction Decimals 5.NBT.B.7
- Go over Unit 4 Test, Remediation
- Start Unit 5: Lesson 5-1 Understand Powers and Exponents
- Unit 5 Lesson 5-2 Patterns When Multiplying a Whole Number by Powers of 10
- Unit 5 Lesson 5-3 Estimate Products of Multi-Digit Factors
- Review Unit 5 Lessons 5-7

## Differentiation:

- Extend Your Thinking Problems
- Error Analysis Questions
- Stem Connection Questions
- Math Practice book: pages 41-42

Homework: Exit ticket 4:1to 4-3

**Vocabulary:** decimal, estimate, decimal grid, hundredths, tenths, analyze Digit, place value, place-value chart, decimal, decimal point, tenth, hundredth, thousandth, expanded form, standard form, word form, greater than, less than, analyze

Academic Standards:

## 5.NBT.B.7

Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction, relate the strategy to a written method and explain the reasoning used.

#### 5.NBT.A.2

Explain patterns in the number of zeros of the product when multiplying a number by power of 10, and explain patterns in the placement of the decimal point when a decimal is multiplied or divided by a power of 10. Use whole-number exponents to denote powers of 10

#### 5.L.4

Determine or clarify the meaning of unknown and multiple-meaning words and phrases based on grade 5 reading and content, choosing flexibly from a range of strategies.

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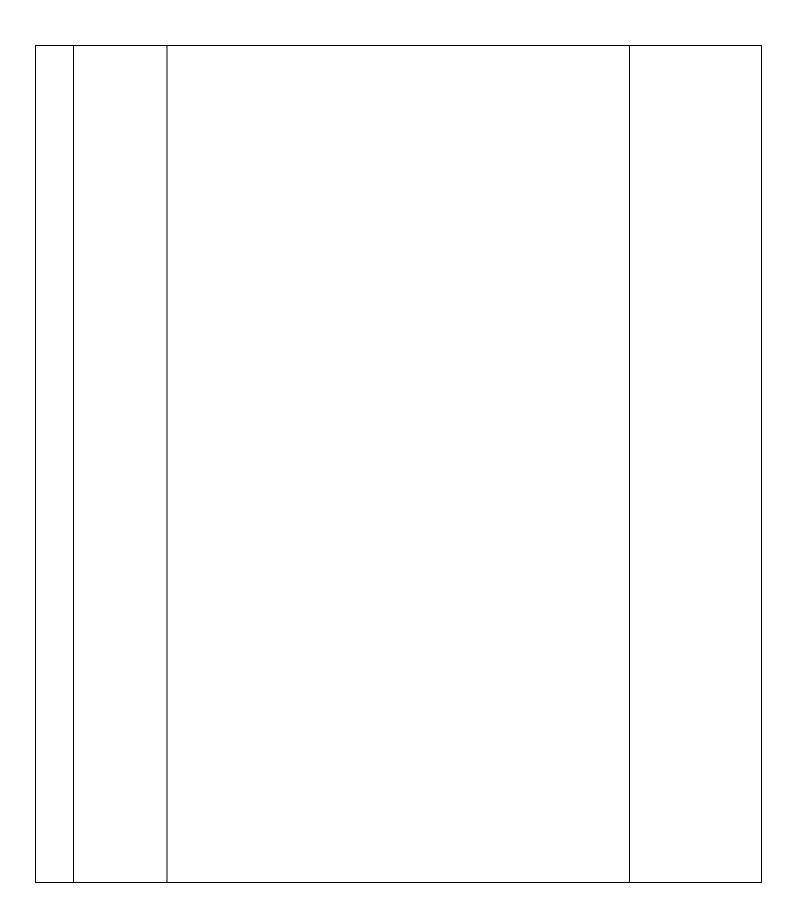
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