Introduction

This assessment is designed to evaluate students' understanding of decimal numbers in mathematics. It consists of three sections: short answer questions, multiple choice questions, and a performance task.

Section 1: Short Answer Questions

Answer the following questions to the best of your ability.

1. Write the decimal number that matches the given word form:
   - Three and five-tenths: _____
   - Two and two-tenths: _____
   - Four and nine-tenths: _____
2. Compare the following decimal numbers:
   - 0.5 and 0.3: Which one is greater? _____
   - 0.2 and 0.1: Which one is greater? _____
   - 0.8 and 0.9: Which one is greater? _____
3. Perform the following calculations:
   - 2.5 + 1.8 = _____
   - 4.2 - 2.1 = _____
   - 3.5 x 2.2 = _____

Section 2: Multiple Choice Questions

Choose the correct answer for each question.

1. Which of the following is the correct reading of the decimal number 0.9?
   - A) nine-tenths
   - B) nine hundredths
   - C) nine thousandths
   - D) nine ten-thousandths
2. Which of the following decimal numbers is in the correct order from least to greatest?
   - A) 0.1, 0.5, 0.3
   - B) 0.3, 0.1, 0.5
   - C) 0.1, 0.3, 0.5
   - D) 0.5, 0.3, 0.1
3. A book costs $15.99. If you pay with a $20 bill, how much change will you receive?
   - A) $4.01
   - B) $4.99
   - C) $5.01
   - D) $5.99

Section 3: Performance Task

Find and record five examples of decimal numbers in real-world scenarios, such as prices, measurements, or sports statistics. Explain why decimal numbers are useful in each scenario.

Answer Key

Check your answers with the following key.

1. Section 1: Short Answer Questions
    - 1. Identifying Decimal Numbers:
        - Three and five-tenths: 3.5
        - Two and two-tenths: 2.2
        - Four and nine-tenths: 4.9
    - 2. Comparing Decimal Numbers:
        - 0.5 and 0.3: 0.5 is greater
        - 0.2 and 0.1: 0.2 is greater
        - 0.8 and 0.9: 0.9 is greater
    - 3. Basic Operations:
        - 2.5 + 1.8 = 4.3
        - 4.2 - 2.1 = 2.1
        - 3.5 x 2.2 = 7.7
2. Section 2: Multiple Choice Questions
    - 1. Reading Decimal Numbers: A) nine-tenths
    - 2. Ordering Decimal Numbers: C) 0.1, 0.3, 0.5
    - 3. Real-World Application: A) $4.01

Assessment Rubric

The assessment will be graded based on the following rubric.

1. Section 1: Short Answer Questions (30 points)
    - Identifying Decimal Numbers (10 points)
    - Comparing Decimal Numbers (10 points)
    - Basic Operations (10 points)
2. Section 2: Multiple Choice Questions (20 points)
    - Reading Decimal Numbers (5 points)
    - Ordering Decimal Numbers (5 points)
    - Real-World Application (10 points)
3. Section 3: Performance Task (50 points)
    - Decimal Number Scavenger Hunt (50 points)