Decimal Concept and Operation Assessment

Student Name: _____	**Class:** _____
Student ID: _____	**Date:** {{DATE}}

Assessment Details

Duration: 45 minutes	**Total Marks:** 43
Topics Covered:	• Decimal Concepts • Decimal Operations • Real-World Applications

Instructions to Students:

1. Read all questions carefully before attempting.
2. Show all working out - marks are awarded for method.
3. Calculator use is permitted except where stated otherwise.
4. Write your answers in the spaces provided.
5. If you need more space, use the additional pages at the end.
6. Time management is crucial - allocate approximately 1 minute per mark.

Section A: Multiple Choice [8 marks]

Question 1 **[2 marks]**

What is the concept of decimals?

A) A part of an integer

B) A form of fraction

C) A point on the number line

D) The result of an operation

Question 2 **[2 marks]**

Which of the following statements about decimals is correct?

A) Decimals can represent fractions

B) Decimals can only represent integers

C) Decimals can be converted to fractions in operations

D) Decimals and fractions are two completely different number systems

Section B: Short Answer Questions [20 marks]

Question 3 **[10 marks]**

Describe the concept of decimals and provide two examples of decimals.

Question 4 **[10 marks]**

What are some real-world applications of decimals? Provide examples.

Section C: Calculation Questions [15 marks]

Question 5 **[5 marks]**

Calculate: 3.5 + 2.8 = ?

Question 6 **[5 marks]**

Calculate: 4.2 - 1.9 = ?

Question 7 **[5 marks]**

A bottle of drink has a capacity of 2.5 liters. Another bottle has a capacity that is 1.8 times that of the first bottle. What is the capacity of the second bottle in liters?