

## Core Skills Analysis

### Mathematics

- Ebony learned how to perform subtraction involving decimal numbers through practice on digital platforms and worksheets.
- The activity helped reinforce understanding of place value in decimals, particularly aligning the decimal points correctly.
- She gained skills in handling borrowing/regrouping when subtracting decimals with different digits after the decimal point.
- By practicing various decimal subtraction problems, Ebony improved her accuracy and speed in calculation.

### Tips

To deepen Ebony's understanding of decimal subtraction, encourage her to explain each step of her calculations aloud or write detailed annotations to solidify reasoning skills. Incorporate real-world applications such as calculating change in shopping scenarios or measuring ingredients in cooking to make the math tangible and relevant. Supplement the worksheets with interactive games or apps that challenge her with timed subtraction quizzes or progressively difficult problems. Finally, introduce cross-topic practice by mixing decimal subtraction with addition and multiplication to strengthen numerical fluency.

### Book Recommendations

- [Decimal Detective](#) by Emily Smith: A fun mystery book that connects decimal problems to clues, encouraging readers to solve math puzzles.
- [Math Workout: Fractions and Decimals](#) by Carol Vorderman: This book offers comprehensive exercises and explanations for mastering decimals and their operations.
- [Adventure with Decimals](#) by Martin Lee: An engaging story-driven book that introduces decimal concepts through real-life adventures.

### Learning Standards

- Mathematics: Number - Develop knowledge and understanding of decimals and place value (KS3 Number: decimals and fractions, National Curriculum).
- Mathematics: Calculation - Perform calculations involving decimals confidently and accurately (KS3 Number: calculation).
- Mathematics: Fluency - Solve problems involving decimal subtraction in practical contexts (KS3 Problem solving).

### Try This Next

- Create a worksheet where Ebony converts money prices before and after discounts and subtracts to find savings.
- Develop quiz questions that require explaining why decimal points must be aligned during subtraction.