# Core Skills Analysis

## Mathematics

- Understood how to calculate sales prices using percentage discounts, reinforcing practical application of percentages.
- Practiced real-world math skills by determining final prices after applying percentage reductions.
- Enhanced computational fluency by working with decimals and percentages in the context of store pricing.
- Developed problem-solving skills by interpreting percentage values and applying them correctly to sales prices.

## Tips

To deepen Sarah's understanding of percentages and sales price calculations, encourage her to create her own mini store at home with various items and price tags, then apply different percentage discounts for practice. Introduce the concept of markup and profit to extend learning into basic business math. Utilize interactive digital tools or apps that simulate shopping scenarios involving discounts and sales taxes to make learning engaging and practical. Additionally, explore the relationship between percentages, fractions, and decimals to enhance number sense and flexibility with numerical representations.

## Book Recommendations

- [Math for Smarty Pants](#) by Marilyn Burns: Includes practical and fun math activities, perfect for reinforcing percentage and money concepts for elementary-age students.
- [Sir Cumference and the Great Knight of Angleland](#) by Cindy Neuschwander: A storybook that introduces geometric and math concepts in a playful medieval adventure, encouraging curiosity about math in everyday contexts.
- [Percentages (Math Matters)](#) by Jenny Eather: A clear explanation of percentages with visual examples and practice problems suited for upper elementary students.

## Learning Standards

- TEKS 5.3(C): Solve problems using appropriate operations with decimals to the hundredths place, including money calculations.
- TEKS 5.3(D): Solve problems involving addition and subtraction of decimals.
- TEKS 5.2(B): Represent and solve problems involving multiplication and division of whole numbers and decimals.
- TEKS 5.4(A): Apply mathematical process standards to solve problems involving percents.

## Try This Next

- Worksheet to calculate final sale prices with varying discount percentages and original prices.
- Create a writing prompt where Sarah explains how to calculate a sale price step-by-step for a friend who is learning percentages.

## Growth Beyond Academics

The activity likely fostered Sarah's confidence in handling real-life math problems, demonstrating independence as she applied math concepts without direct supervision. She might have experienced a sense of accomplishment when successfully calculating discounts, which can boost motivation and curiosity toward math.