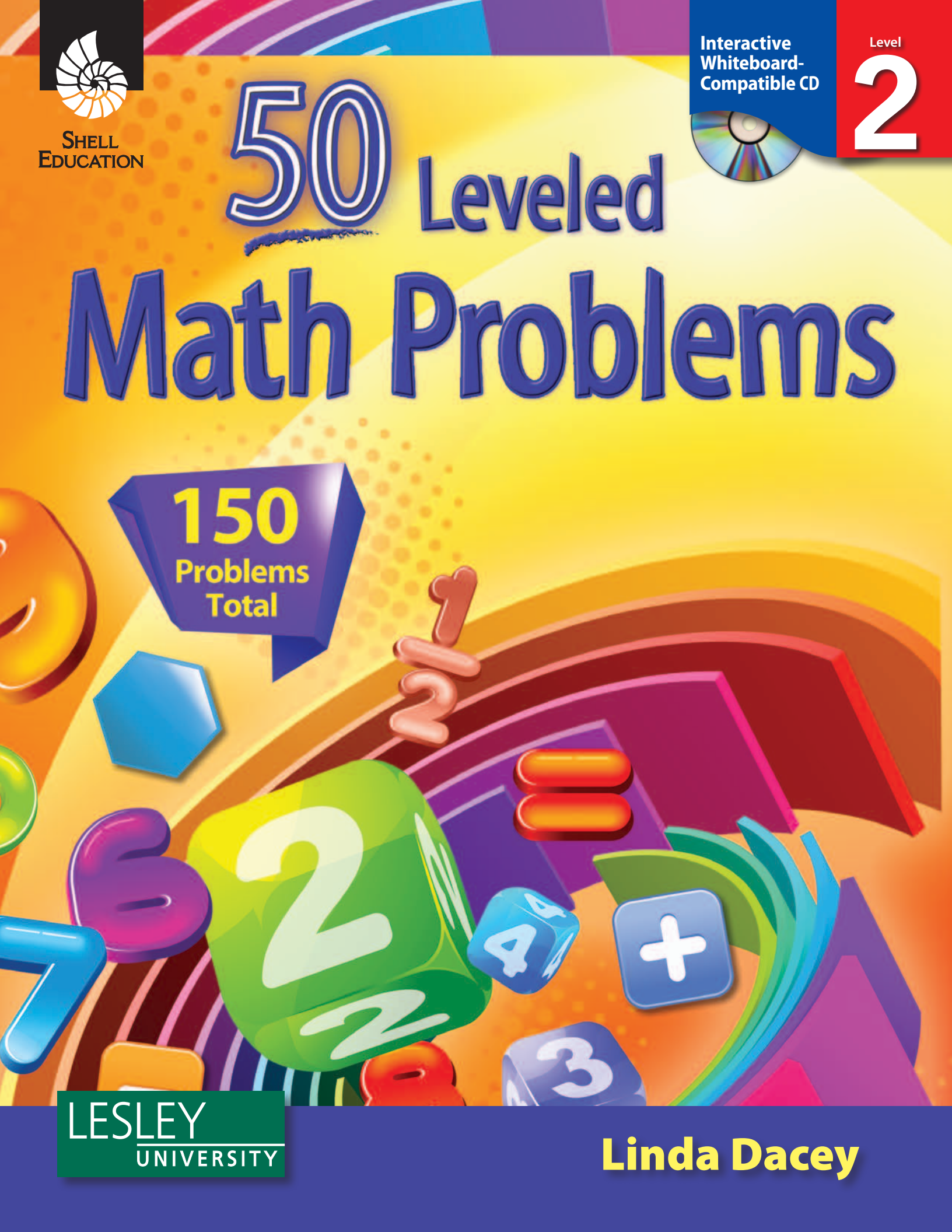
Shell Education
Interactive Whiteboard-Compatible CD
Level 2
50 Leveled Math Problems
150 Problems Total
LESLEY UNIVERSITY
Linda Dacey

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Books for Sale

Standard

Solves real-world problems involving addition and subtraction of whole numbers

Overview

Students identify the amount of money given to a clerk and the change received. Once students have determined the total cost, they must consider the books and prices shown and decide which ones were bought.

Problem-Solving Strategies

- Count, compute, or write an equation
- Find information in a picture, list, table, graph, or diagram
- Guess and check or make an estimate

Materials

- *Books for Sale* (page 41; booksforsale.pdf)
- play money (dollar bills) *(optional)*
- *Student Response Form* (page 130; studentresponse.pdf) *(optional)*

Activate

1. Have students brainstorm different types of books. Encourage a variety of categories to be considered. If time allows, have students identify some of their favorite books in each category.
2. Display the following problem for students: *I bought a mystery book for $5.00 and a book about snakes for $4.00. I gave the clerk $10.00. What was my change? ($1.00)*
3. Have students talk with a neighbor about the answer.
4. Have students share their answers and strategies. Then, ask them why some people might call this a two-step problem.

Solve

1. Distribute copies of *Books for Sale* to students. Have students work individually, in pairs, or in small groups.
2. Ask clarifying questions as students work to help them focus on the multiple steps of the problems. For example, ask *What did you just find? What are you doing now? What will you do next?*

Debrief

1. How did you find the answer?
2. Is there a different way to solve the problem?
3. What is another problem we could create using these books and prices?

Differentiate ○ ☆

Make the play money available to students who wish to act out these problems. Some students find it helpful to think of two-step problems as problems with a missing question. In these problems the missing question would be: *How much did the books cost?*

Books for Sale ○

The library had a book sale to make room for new books.

I bought two of these books.

I gave the clerk $10.00.

I got $3.00 back in change.

Which two books did I buy?

Books for Sale □

The library had a book sale to make room for new books.

I bought two of these books.

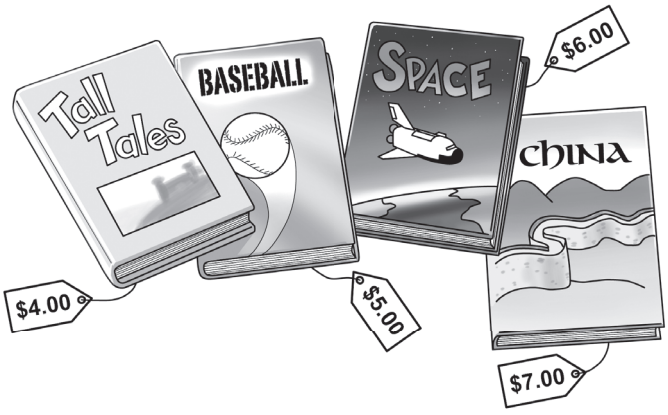
I gave the clerk $20.00.

I got $8.00 back in change.

Which two books did I buy?

Books for Sale △

The library had a book sale to make room for new books.



I bought three of these books.

I gave the clerk $20.00.

I got $2.00 back in change.

Which three books did I buy?