

NAME: _____

DATE: _____

Real-Life Profit and Loss Challenge



Instructions: Read each problem carefully. Use the correct formulas to calculate profit or loss. Show your working and explain your reasoning where asked.

PART A: MULTI-STEP PROBLEMS

1. The School Bookstore

A bookstore buys 5 notebooks for \$3 each and sells all 5 notebooks for \$20.

- What is the total cost price? \$ _____
- What is the total selling price? \$ _____
- What is the total profit or loss? \$ _____

2. The Toy Shop

A shopkeeper buys a toy for \$18 and sells it for \$25. Later, the shopkeeper buys another toy for \$14 and sells it for \$10.

- Find the profit on the first toy. \$ _____
- Find the loss on the second toy. \$ _____
- What is the overall profit or loss from both toys? \$ _____

PART B: COMPARE THE SELLING SITUATIONS

3. Which Shop Makes More Profit?

Shop A buys a football for \$12 and sells it for \$19. Shop B buys a football for \$15 and sells it for \$20.

- a. Profit at Shop A: \$_____
- b. Profit at Shop B: \$_____
- c. Which shop makes more profit, and by how much?

Answer: _____

4. Compare Two Deals

Mia buys a backpack for \$30 and sells it for \$36. Noah buys a backpack for \$28 and sells it for \$33.

Who makes the greater profit? Show your calculations.

Answer: _____

PART C: PROFIT, LOSS, OR NO PROFIT OR LOSS?

5. A shopkeeper buys a board game for \$22 and sells it for \$22.

Result: _____

6. A seller buys a bicycle helmet for \$16 and sells it for \$13.

Result: _____

7. A sports store buys a tennis racket for \$24 and sells it for \$32.

Result: _____

PART D: EXPLAIN YOUR THINKING

8. A seller buys a school bag for \$25 and sells it for \$31. Explain how to calculate the profit.

Working: _____

Explanation: _____

9. Challenge Question

A shopkeeper buys 3 water bottles for \$4 each. The shopkeeper sells each bottle for \$6. How much profit does the shopkeeper make altogether?

Working: _____

Answer: \$ _____

10. Challenge Question

A shopkeeper buys a game for \$40 and sells it at a loss of \$7. The shopkeeper then sells another game for \$35 and makes a profit of \$5. Find the cost price of each game and the combined profit or loss.

Working: _____

Answer: _____