Routine and Non-routine problems involving division of Decimal Numbers and Money

When solving routine and non-routine problems, it's important to follow the different steps in problem-solving. If you don't succeed on the first try, don't worry—there's always another chance. Remember, one setback doesn't define you.

Routine Problem

Example:

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Answer:

1. What are the given facts?

   - Total cost for books and calculators: ₱3,500.

   - Kimberly and Zenaida bought 7 books and 3 calculators.

   - Each book costs ₱200.

2. What is asked?

   - The cost of each calculator.

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Answer:

3. What is the operation to be used and the number sentence?

- Multiplication to find the cost of the books, then subtraction and division to find the cost per calculator.

7 × 200) + (3 × cost of each calculator) = 3,500

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Answer:

4. Solve the problem

 - Calculate the total cost of the books: $7 \times 200 = 1,400$

 - Subtract this from the total amount to find the cost for calculators: $3,500 - 1,400 = 2,100$

 - Divide by the number of calculators to find the cost of each one: $2,100 \div 3 = 700$

 - Each calculator costs **₱700.00.**

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Answer:

5. Check

   Verify by adding the costs:

   - Total for books: $7 \times 200 = 1,400$
   - Total for calculators: $3 \times 700 = 2,100$
   - Sum: $1,400 + 2,100 = $ **3,500**