Problem Solving: Multiple-Step Problems

Kim has a $10 bill, a $20 bill, and 2 $5 gift certificates. She uses the gift certificates toward the purchase of a CD for $14.00. How much money does Kim have left after buying the CD?

Read and Understand

What do you know?	Kim has a ten-dollar bill, a twenty-dollar bill, and two five-dollar gift certificates.
	She uses the 2 certificates toward the purchase of a CD that costs $14.00.
What are you trying to find?	How much money does Kim have left after she buys the CD?

Plan and Solve

Answer these hidden questions.

How much money does Kim have?	$20.00 + $10.00 = $30.00
How much are the two certificates worth?	$5.00 + $5.00 = $10.00
How much cash will Kim need to buy the CD?	$14.00 − $10.00 = $4.00
Solve the problem.	Money − cash paid for CD = Money left $30.00 − $4.00 = $26.00
Write the answer in a complete sentence.	Kim has $26 left after buying the CD.

Look Back and Check

Is your answer correct?	Yes, $4.00 + $26.00 = $30.00

1. You can also find how much money Kim has left by completing the following expression.

$10.00 + $20.00 + $5.00 + $5.00 − _____

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Solve.

1. Theater tickets for children cost $5. Adult tickets cost $3 more. If 2 adults and 2 children buy theater tickets, what is the total cost?

   _____

2. Luis has a $10 bill and three $5 bills. He spends $12.75 on the entrance fee to an amusement park and $8.50 on snacks. How much money does he have left?

   _____

3. Alexandra earns $125 from her paper route each month, but she spends about $20 each month on personal expenses. To pay for a school trip that costs $800, about how many months does she need to save money? Explain.

   _____

   _____

4. Patty is a member of the environmental club. Each weekday, she volunteers for 2 hours. On Saturday and Sunday, she volunteers 3 hours more each day. Which expression shows how to find the number of hours she volunteers in one week?

   A $2 + 5$

   B $2 + 2 + 2 + 2 + 2 + 5 + 5$

   C $2 + 2 + 2 + 3 + 3$

   D $2 + 3 + 3$

5. Marco's goal is to eat only 2,000 calories each day. One day for breakfast he consumed 310 calories, for lunch he consumed 200 more calories than breakfast, and for dinner he consumed 800. Did he make his goal? Explain.

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