Problem Solving Strategy

Write an Equation

Write and solve an equation for each problem. Explain what the variable represents.

1. Mary ordered 4 chicken salads to take home for dinner. Her total bill came to $24. How much was each salad?

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2. Marcus ran the same number of miles every day for ten days. He ran a total of 120 miles. How many miles did Marcus run each day?

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3. Steve completed some homework papers on Monday. On Tuesday he finished 6 papers, twice what he did on Monday. How many did he do on Monday?

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4. Martin rode his bicycle for a total of 140 miles. It took him 7 hours. If he rode the same number of miles each hour, how many miles did he travel every hour?

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Mixed Review

5. $\begin{array}{r} 27 \\ -\ 9 \\ \hline \end{array}$

6. $\begin{array}{r} 43 \\ -16 \\ \hline \end{array}$

7. $\begin{array}{r} 62 \\ -\ 8 \\ \hline \end{array}$

8. $\begin{array}{r} 91 \\ -22 \\ \hline \end{array}$

9. $\begin{array}{r} 70 \\ -11 \\ \hline \end{array}$

10. Two numbers have a difference of 10 and the sum of 34. What are the numbers?

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11. Dallas Fort Worth Airport had 678,492 passengers this year. Dallas Fort Worth had 26,239 more passengers than O'Hare. How many passengers did O'Hare airport have?

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