Problem-Solving Decisions:
Choose the Operation

Ask Yourself

Understand  What facts do I know?
Plan  What key words are in the problem?
Solve  Which operation will I use to solve the problem?
Look Back  Did I solve the problem?
Is my answer reasonable?

1. Theo’s bedroom measures $12\frac{3}{4}$ ft by $9\frac{2}{3}$ ft. What is the difference between the length and width of the room?

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2. Theo wants some wallpaper for his room. One wallpaper originally cost $8 a roll. Now it is on sale for $\frac{3}{4}$ the regular price. If Theo buys 5 rolls, how much will he pay?

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3. Another wallpaper regularly costs $6 a roll. But if Theo buys 9 rolls, he will get $\frac{1}{3}$ off the regular price of each roll. How much will 9 rolls cost Theo?

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4. If Theo’s parents pay $\frac{1}{4}$ of the cost of the second wallpaper, how much will Theo pay?

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Show Your Work