Problem Solving:
Multiple-Step Problems

Write and answer the hidden question(s) in each problem. Then solve the problem.

1. Rahm spent $2\frac{1}{2}$ hours writing an essay. It took him 4 times as long to finish his science project. How long did it take Rahm to write the essay and finish the science project?

Hidden question(s):_____

Solution:_____

2. Lauren bought 20 ounces of sliced ham. She used $\frac{3}{4}$ of the ham to make sandwiches for her friends and $\frac{1}{5}$ of the ham in an omelet. How many ounces of ham were left?

Hidden question(s):_____

Solution:_____

3. Sarah cut off $\frac{1}{8}$ of a 48-inch piece of ribbon. Jane cut off $\frac{1}{9}$ of a 36-inch piece of ribbon. They compared their cut pieces. Whose piece is longer? How much longer?

Hidden question(s):_____

Solution:_____

4. Misty bought 3 CDs. The country music CD cost $12. The rock music CD cost $\frac{2}{3}$ as much as the country music CD. The platinum edition CD cost twice as much as the rock CD. What was the cost of the three CDs?

Hidden question(s):_____

Solution:_____

5. Choose one of the problems above. Explain how you determined the hidden question and why it was necessary to answer that question in order to solve the problem.

_____

_____

_____