

Problem Solving: Multiple-Step Problems

1. At a school concert, the orchestra plays 8 songs that are 4.25 min long and 3 songs that are twice as long as each of the others. How long is the concert?

2. A shoe store sold 53 pairs of shoes on Monday and 35 pairs on Tuesday. On Wednesday, the store sold as many pairs of shoes as they sold on Monday and Tuesday combined. They sold half as many on Thursday as Wednesday. How many pairs of shoes did the shoe store sell Monday through Thursday?

3. **Write a Problem** Use a real-life situation to create a problem in which there is a hidden question. Then identify the hidden question and the answer.

4. **Critical Thinking** Jackson is writing a report on California missions. He spent 2 hours researching missions on the Internet and three times as long writing the report. What is the hidden question if you want to find how many total hours Jackson spent on the report?

A How many hours did he spend researching and writing the report?

B How many hours did he spend researching the report?

C How much longer did it take to write the report than research it?

D How many hours did he spend writing the report?

5. **Writing to Explain** Explain how you can find the hidden questions in problem 2.
