Use Addition and Subtraction Strategies

A Closer Look at the Digits Game

Self-Check: Questions 1–4

- **1.** Romesh and Jacob are playing the digits game. They need to find the largest sum. Seven numbers were placed on each board.
 - **A.** Use an estimation strategy to decide who found the largest sum. Show your strategy.



Estimation Strategy





Estimation Strategy

B. Find the solution for each boy's game board. Use a different strategy for each problem.

Problem	My Strategy
Romesh	
7841 + 653	
Jacob	
7453 + 681	

2. Shannon is playing for the smallest difference. Here is her game board. Find the difference. Then use estimation to decide if your answer is reasonable. Explain your estimation strategy.

2	5	0	3
- 1	4	9	8

Estimation Strategy

- **3.** Jessie and Grace played a game for the largest difference.
 - A. Look at Jessie's game board. Do you agree with Jessie's solution? Why or why not?

Jessie's Board



Name

Date .

B. Look at Grace's game board. Explain how Grace found her solution.

Grace's Board



C. Who found the largest difference, Jessie or Grace?

4. Jerome and Maya played a game for the smallest difference. Finish the solutions started by Jerome and Maya. Then use an estimation strategy to decide if your answers are reasonable. Circle the winner.



Estimation Strategy

