## **Problem Solving**

Solve the problems. Use the *Addition Strategies Menu* in the *Student Guide* Reference section.

**1.** Romesh and Jason are playing the Digits Game. After four cards, their boards are below. Find each boy's sum using two different methods.

Romesh

Second Method



Jason

**2.** Kathy and Sara played a game for the largest number. Their boards are below. Find each sum. Explain a strategy for deciding if your answers are reasonable.

Kathy

**Estimation Strategy** 



	1	6	3
+	8	4	2

**3.** Who won Kathy and Sara's game? Show how you decided who had the largest number.

**4.** Miguel's game board looks like the one below. He is trying to find the largest sum. The next card is a 5. Where should he put the 5? Explain your thinking.

		6	1
+	7		4

## Check-In: Question 5

- **5.** Miguel's completed game board is to the right. He used the all-partials method to find the sum.
  - **A.** Explain an estimation strategy for checking if his answer is reasonable.

**B.** Check Miguel's calculations. Do you agree with his solution? Why or why not?