

Part 3 Sums and Differences

1. Solve the following problems using paper-and-pencil or mental math. Use the *Addition* and *Subtraction Strategies Menus* in the *Student Guide* Reference section. Estimate to make sure your answers are reasonable.

A. $75 + 39 =$ B. $167 + 74 =$ C. $254 - 118 =$

D. $7046 + 856 =$ E. $9233 - 560 =$ F. $8570 + 2545 =$

G. $5649 - 1850 =$ H. $5503 + 7098 =$ I. $6800 - 4874 =$

- J. Explain how you used mental math to solve one of the problems.

- K. Explain how you used estimation to make sure your answer for Question F is reasonable.

2. Solve the following problems in your head.

A. $30 + 90 =$ _____ B. $50 + 60 =$ _____ C. $160 - 90 =$ _____

D. $148 - 50 =$ _____ E. $240 + 80 =$ _____ F. $100 - 32 =$ _____

G. $650 + 250 =$ _____ H. $732 + 632 =$ _____ I. $389 + 11 =$ _____

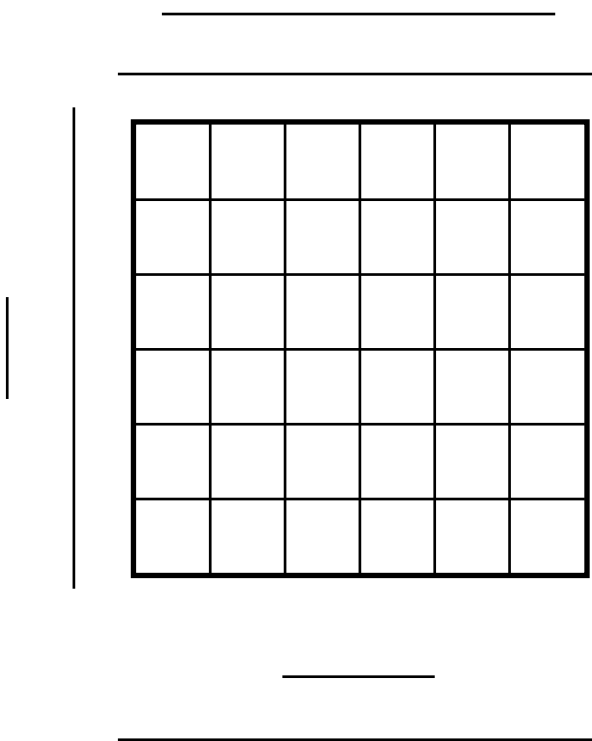
3. On another sheet of paper, choose two of the problems and then explain how you solved them using mental math.

Part 4 Brandon's Data

Brandon collected data on the number of windows in each room of his home. His data is shown below. Make a bar graph of Brandon's data. Label the horizontal axis with the variable, Number of Windows. Then answer the questions.

Brandon's Data

<i>W</i> Number of Windows	<i>R</i> Number of Rooms
0	0
1	2
2	3
3	0
4	1



1. What is the most common number of windows in the rooms in Brandon's home? _____
2. How many windows are in Brandon's home altogether? Show or tell how you know.