Name _____ Date _____ Class _____

Additional Practice

Investigation 1

Bits and Pieces III

1. Rosa and Tony need to estimate how much it will cost to purchase the following supplies for their class project.

4 pieces of posterboard at $2.89 each

1 bottle of glue at $1.19

2 booklets of construction paper at $4.99 each

2 pairs of scissors at $0.59 each

a. Estimate the cost of the supplies that Rosa and Tony need to buy. Explain.

b. In this situation, would it be better to overestimate or underestimate? Explain.

2. Which sum is greater? Explain.

a. 2.87 + 3.5 or 1.49 + 2.8

b. 3.07 + 5.1 or 5.07 + 3.1

c. 12.951 + 4.6 or 16.6 + 0.738

3. Which difference is greater? Explain.

a. 7.3 − 4.9 or 8.5 − 3.2

b. 25.041 − 8.3 or 31.241 − 14.5

c. 0.57 − 0.008 or 0.6 − 0.044

4. For each list, identify the greatest value. Explain.

a. 35.7, 35.07, 35.007

b. 608.9, 609.8, 690.8

c. 75.0605, 75.6050, 75.6500

Additional Practice *(continued)*

5. James used a calculator to complete each computation. But he forgot to write the decimal point in each answer. Write the correct answer for each computation.

Problem	Answer Without Decimal Point	Correct Answer
5.7 + 6.09 + 4.2	1599	
3.007 − 2.9 + 35.054	35161	
14.5 − 8.07 − 6.2	23	

6. Students used a computer program to test the time it took them to react to a green ball that appeared on a computer screen. Here are the reaction times for two students, a girl with initials LG and a boy with initials MC.

LG's data values:

Trial 1	Trial 2	Trial 3	Trial 4	Trial 5
1.08 sec	0.94 sec	0.64 sec	1.00 sec	0.94 sec

MC's data values:

Trial 1	Trial 2	Trial 3	Trial 4	Trial 5
1.25 sec	2.48 sec	1.15 sec	1.34 sec	1.47 sec

a. Compute the difference in LG's and MC's data values for each trial.

b. Find the sum of LG's data values.

c. Find the sum of MC's data values.

d. What are some statements you can make to compare the data from each of the two students?

7. Find the value of N that makes the number sentence true. Show your work.

a. 2.3 + 4.09 = N **b.** 1.009 + 12 + 0.87 = N **c.** 19.81 − 12.25 = N

d. 13.7 − 10.34 = N **e.** N + 3.8 = 12.65 **f.** N − 2.4 = 5