

**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)***Investigation 1****Bits and Pieces III**

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

- Compute the difference in LG's and MC's data values for each trial.
  - Find the sum of LG's data values.
  - Find the sum of MC's data values.
  - 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.
- $2.3 + 4.09 = N$
  - $1.009 + 12 + 0.87 = N$
  - $19.81 - 12.25 = N$
  - $13.7 - 10.34 = N$
  - $N + 3.8 = 12.65$
  - $N - 2.4 = 5$