Each WA is worth **10 points** total. Work right on these pages. You can work together or see a tutor, but NEVER copy. This WA is for a grade, so dishonesty or cutting corners may earn a 0 for all involved.

1. *[1 pt]* As in Required Practice, the Standard Algorithms to add and subtract can extend to work for common measurements - you just have to remember how many of one thing to trade for another. Imitate the Standard Algorithm to perform the computation below.

   (Look up or ask conversions you don't remember. See me for help if you're unsure how to extend.)

   $$
   \begin{array}{rlll}
     & 5 \text{ hours}, & 21 \text{ minutes}, & 15 \text{ seconds} \\
   - & 3 \text{ hours}, & 30 \text{ minutes}, & 50 \text{ seconds} \\
   \hline
   \end{array}
   $$

2. *[1 pts]* Fill in the blanks with your choice of any digits that make the computation correct:

   $$
   \begin{array}{ccccccc}
     & 2 & \underline{\quad} & \underline{\quad} & 6 & 7 \\
   + & 1 & 0 & 3 & \underline{\quad} & \underline{\quad} \\
   \hline
   \underline{\quad} & 9 & 8 & 6 & 1 \\
   \end{array}
   $$

3. *[1 pt]* Demonstrate the standard algorithm. Show perfect notation: $40200 - 26175$

4. *[1.5 pts]* Demonstrate Scratch Addition, showing teacher-like markings:

$$
\begin{array}{r}
1 \; 1 \; 7 \; 0 \\
3 \; 4 \; 6 \\
2 \; 0 \; 4 \; 4 \\
6 \; 8 \; 8 \\
1 \; 2 \; 4 \; 8 \\
9 \; 2 \; 6 \\
+ \quad 5 \; 4 \; 6 \; 5 \\
\hline
\end{array}
$$

5. *[1.5 pts]* Demonstrate Lattice Multiplication: 337×24.

6. *[1.5 pts]* Demonstrate the Standard Algorithm - with correct, teacher-like markings - on the same computation: 359×24.

7. *[1.5 pts]* Now demonstrate the Partial Products Algorithm: 937×24.

8. *[1 pt]* Demonstrate Balancing Subtraction; show correct teacher-like notation: $93 - 58$