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| **Developing Fluency with Operations** |
| Identifies the ultimate task(s) in a problem“The problem: Milo orders 3 novels online for $8.99 each. The website has a flat shipping fee of $5 within the province. There will be 5% GST added to the cost of the books and shipping but no provincial tax. What will be the total cost of the purchase?Ultimate task: calculate the total cost for the books, shipping, and taxes.” | Identifies the hidden tasks in a problem“The hidden tasks to determine the cost of Milo’s purchase are:• calculate the cost of the 3 books  (3 × $8.99)• add the shipping cost to get  a subtotal• calculate the GST • and the GST to the subtotal  to determine the total cost.” | Solves a problem by completing the hidden tasks they identified“The cost of the books Milo orders is 3 × $8.99 = $26.97With the shipping cost, the subtotal is $26.97 + $5 = $31.97Rounded to the nearest cent, the GST is: 0.05 × $31.97 ≈ $1.60 The total cost is:$31.97 + $1.60 = $33.57.” | Identifies and corrects errors in problem solutionsIs this solution correct? 100 – 62 ÷ 2 + 3 × 2= 100 – 36 ÷ 2 + 6= 64 ÷ 8= 8“The person has not followed the order of operations when they subtracted 36 and added 2 and 6. The correct solution is: 100 – 62 ÷ 2 + 3 × 2= 100 – 36 ÷ 2 + 6= 100 – 18 + 6= 88” |
| **Observations/Documentation** |
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