

Activity 13 Assessment

Developing Fluency with Operations

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<p>Identifies the ultimate task(s) in a problem</p> <p>“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?</p> <p>Ultimate task: calculate the total cost for the books, shipping, and taxes.”</p>	<p>Identifies the hidden tasks in a problem</p> <p>“The hidden tasks to determine the cost of Milo’s purchase are:</p> <ul style="list-style-type: none"> • calculate the cost of the 3 books ($3 \times \\$8.99$) • add the shipping cost to get a subtotal • calculate the GST • and the GST to the subtotal to determine the total cost.” 	<p>Solves a problem by completing the hidden tasks they identified</p> <p>“The cost of the books Milo orders is $3 \times \\$8.99 = \\26.97 With the shipping cost, the subtotal is $\\$26.97 + \\$5 = \\$31.97$ Rounded to the nearest cent, the GST is: $0.05 \times \\$31.97 \approx \\1.60 The total cost is: $\\$31.97 + \\$1.60 = \\$33.57$.”</p>	<p>Identifies and corrects errors in problem solutions</p> <p>Is this solution correct? $100 - 62 \div 2 + 3 \times 2$ $= 100 - 36 \div 2 + 6$ $= 64 \div 8$ $= 8$</p> <p>“The person has not followed the order of operations when they subtracted 36 and added 2 and 6. The correct solution is: $100 - 62 \div 2 + 3 \times 2$ $= 100 - 36 \div 2 + 6$ $= 100 - 18 + 6$ $= 88$”</p>
Observations/Documentation			