**Grade 7 Bella’s Gardening Materials – Anchor Annotations**

**A-1 Score 4**

Part A: The student provided a correct expression (*1.24g + 0.87m + 0.98z*) by multiplying each term inside the parentheses by $\frac{1}{2}$. [1 point]

Part B: The student provided a correct expression [*(29.68 + 14.45) – x*] by adding the price of the hose (29.68) to the price of the shovel (14.45) and subtracting the value of the coupon (*x*). [1 point]

Part C: The student provided 3 correct and complete explanations (*‘a’ represents the amount of times she went to Yard Depot, ‘b’ represents the cost of a pair of gloves, ‘c’ represents the cost of the gardening hat*). [2 points]

**A-2 Score 4**

Part A: The student provided a correct expression (*1.24g + 0.87m + 0.98z*) by multiplying each term inside the parentheses by $\frac{1}{2}$. [1 point]

Part B: The student provided a correct expression [*(29.68 – x) + 14.45*] by subtracting the value of the coupon (*x*) from the price of the hose (29.68) and then adding the price of the shovel (14.45). [1 point]

Part C: The student provided 3 correct and complete explanations (*b represents the cost of one pair of gloves… c represents the cost of one hat… a represents the number of times she visits Yard Depot*). [2 points]

**A-3 Score 3**

Part A: The student provided a correct expression (*1.24g + 0.87m + 0.98z*) by multiplying each term inside the parentheses by $\frac{1}{2}$. [1 point]

Part B: The student provided a correct expression (*44.13 – x*) by adding the price of the hose to the price of the shovel (29.68 + 14.45 = 44.13) and subtracting the value of the coupon (*x*). [1 point]

Part C: The student provided 2 correct and complete explanations (*c = gardening hat cost… a = how many times she went* there). The explanation provided for *b* (*cost of gloves because she bought many pairs*) is insufficient for credit as this explanation does not clearly state that *b* is the cost of “each” pair of gloves. [1 point]

**A-4 Score 3**

Part A: The student provided a correct expression $\left(\frac{1}{2}·2.48g+\frac{1}{2}·1.74m+\frac{1}{2}·1.96z\right)$

by multiplying each term inside the parentheses by $\frac{1}{2}$. [1 point]

Part B: The student provided an incorrect answer in the form of an equation [*($29.68 – x) + $14.45 = the amount of money Bella spent at Plant World*]. Although the expression contained on the left-hand side of the equation is correct, no credit is awarded because the expression is embedded in an equation. [0 points]

Part C: The student provided 3 correct and complete explanations (*a = how many times Bella went to Yard Depot, b = the cost of one pair of gardening gloves, c = the cost of the gardening hat*). [2 points]

**A-5 Score 2**

Part A: The student provided two correct expressions

$\left(2.48g·\frac{1}{2}+1.74m·\frac{1}{2}+1.96z \frac{1}{2} OR 1.24g+.87m+.98z\right)$ by multiplying each term inside the parentheses by $\frac{1}{2}$. Note: when there are multiple answers, no credit is awarded unless all answers are correct. [1 point]

Part B: The student provided an incorrect expression [*(29.68 - 29.68x) + 14.45*]. [0 points]

Part C: The student provided 2 correct and complete explanations (*a is the number of times Bella went to Yard Depot, c is the hat price*). The explanation provided for *b* (*b is the cost of the gloves*) is insufficient for credit as this explanation does not clearly state that *b* is the cost of “each” pair of gloves. [1 point]

**A-6 Score 2**

Part A: The student provided a correct expression (*1.24g + 0.87m + 0.98z*) by multiplying each term inside the parentheses by $\frac{1}{2}$. [1 point]

Part B: The student provided a correct expression [*(29.68 – x) + 14.45*] by subtracting the value of the coupon (*x*) from the price of the hose (29.68) and then adding the price of the shovel (14.45). [1 point]

Part C: The student provided 1 correct and complete explanation (*c = the price of a gardening hat*). The explanation provided for *b* (*b = the price of gardening gloves*) is insufficient for credit as this explanation does not clearly state that *b* is the cost of “each” pair of gloves. The explanation provided for *a* (*a = taxes on the items*) is incorrect. [0 points]

**A-7 Score 2**

Part A: The student provided an incorrect expression (*2.48g + 1.74m + 1.96z · 0.5*). The student did not multiply 2.48g or 1.74m by 0.5. [0 points]

Part B: The student provided an incorrect answer in the form of an equation (*$29.68 – x = $14.45*). Any answer written in the form of an equation receives no credit since the prompt states “write an expression.” Additionally, the $14.45 should be added to 29.68 – *x*. [0 points]

Part C: The student provided 3 correct and complete explanations (*a = how many times Bella went to Yard Depot, b = the price of one pair of gloves, c = the price of the gardening hat*). [2 points]

**A-8 Score 2**

Part A: The student provided an incorrect expression (*6.18gmz ÷ 2*). [0 points]

Part B: The student provided a correct expression [(*29.68 – x) +14.45*] by subtracting the value of the coupon (*x*) from the price of the hose (29.68) and then adding the price of the shovel (14.45). [1 point]

Part C: The student provided 2 correct and complete explanations (*a represents the number of times Bella went to Yard Depot… b must represent the cost of the gardening gloves (one pair)*). Although the student initially stated that *b* represented the gardening gloves, they clarified this statement later by stating that *b* represented the cost of one pair of gloves. The explanation provided for *c* (*c must represent the gardening hat she bought*) is insufficient for credit as this explanation does not state that *c* is the “cost” of one hat. [1 point]

**A-9 Score 1**

Part A: The student provided a correct expression $\left(\frac{2.48g+1.74m+1.96z}{2}\right)$ by distributing $\frac{1}{2} $to each term inside the parentheses. [1 point]

Part B: The student provided an incorrect expression $\left(\frac{29.68}{x}+14.45\right)$. [0 points]

Part C: The student provided 1 correct and complete explanation (*a means the amount of times she has been there*). The explanations provided for *b* and *c* are incorrect since they don’t associate *b* and *c* with the “costs” of a pair of gloves and a hat, respectively. [0 points]

**A-10 Score 1 MU (Minimal Understanding)**

Part A: The student provided an incorrect expression $\left(\frac{1}{2}÷1.48g+1.74m+1.96z\right)$. The student did not multiply $\frac{1}{2}$ by each of the three terms in the parentheses. [0 points]

Part B: The student provided an incorrect answer in the form of an equation (*29.68 – x + 14.45 = y*). Although the expression contained on the left-hand side of the equation is correct, no credit is awarded because the expression is embedded in an equation. Any answer written in the form of an equation receives no credit since the prompt states “write an expression.” [0 points]

Part C: The student provided 3 incorrect explanations. No credit has been awarded in any part.

[0 points]

However, the student demonstrated minimal understanding of representing expressions in equivalent forms. Credit is awarded for minimal understanding in Part B for the equation that contains the correct expression (*29.68 – x + 14.45 = y*).

**A-11 Score 1 MU (Minimal Understanding)**

Part A: The student provided an incorrect expression $\left(\frac{2.48g}{.5}+\frac{1.74m}{.5}+\frac{1.96z}{.5}\right)$. The student did not multiply $\frac{1}{2}$ by each of the three terms in the parentheses. [0 points]

Part B: The student provided an incorrect expression $\left(\frac{29.68}{x}+14.45\right)$. [0 points]

Part C: The student provided 1 correct and complete explanation *(“a” represents how many times she went to Yard Depot*). The explanations provided for *b* and *c* are incorrect since they don’t associate *b* and *c* with the “costs” of a pair of gloves and a hat, respectively. [0 points]

No credit has been awarded in any part. However, the student demonstrated minimal understanding of representing expressions in equivalent forms. Credit is awarded for minimal understanding in Part C for 1 correct and complete explanation.

**A-12 Score 0**

Part A: The student provided an incorrect answer by adding the original numeric values (*add all together and get $6.18*), disregarding the variables and the $\frac{1}{2}$. [0 points]

Part B: The student provided an incorrect answer (*The coupon was 15.23*). The student demonstrated a misunderstanding of the prompt and found the difference between the two prices given in the prompt. [0 points]

Part C: The student provided 3 incorrect explanations. [0 points]