**Grade 5 Leon’s Candy Bar Sales – Training Set 1 Annotations**

**T1-1 Score 1**

Part A: The student correctly identified *x axis* as the axis representing the number of candy bars sold. [1 point]

Part B: The student provided an incorrect answer (*18, 00*)*.* [0 points]

Part C: The student provided an incorrect explanation for why none of the coordinates on the graph can have a *y*-coordinate of 77 (*the y coordinate only goes up to 20)*. [0 points]

Part D: The student provided an incorrect answer (*3 candy bars are the fewest*) with no support. [0 points]

**T1-2 Score 3**

Part A: The student correctly identified *the x-axis* as the axis representing the number of candy bars sold. [1 point]

Part B: The student provided a correct ordered pair (*6, 18*) by correctly interpreting the graph as each candy bar sold raised $3 and associating the *x*-coordinate of 6 with the corresponding *y*-coordinate of 18. [1 point]

Part C: The student provided an incorrect explanation for why none of the coordinates on the graph can have a graph can have a *y*-coordinate of 77 (*because you won’t go that high and it is not a factor of two or three. Which is what the y-axis uses*)*.* [0 points]

Part D: The student provided the correct answer (*200 candy bars*)with correct and complete support. The student first multiplied 240 [dollars] by 2.5 to find Leon’s goal of *$600*. The student then divided 600 by 3 to find *200* as the number of candy bars Leon needs to sell to reach his goal. [1 point]

**T1-3 Score 2**

Part A: The student correctly identified *the x axis* as the axis representing the number of candy bars sold. [1 point]

Part B: The student provided a correct ordered pair (*6, 18*) by correctly interpreting the graph as each candy bar sold raised $3 and associating the *x*-coordinate of 6 with the corresponding *y*-coordinate of 18. [1 point]

Part C: The student provided an incorrect explanation for why none of the coordinates on the graph can have a *y*-coordinate of 77 (*because the y axis is counting by two’s and 77 won’t fit into two. For example, if you start counting...two, four, six, eight. You can clearly tell that it skipped seven because seven can not fit into two*). Each candy bar sold raised $3, so the *y*-coordinates increase by three for each candy bar sold, not two. [0 points]

Part D: The student provided an incorrect answer (*The fewest number of candy bars that he needs to sell is 600*) with no support. [0 points]

**T1-4 Score 4**

Part A: The student correctly identified *The x axis* as the axis representing the number of candy bars sold. [1 point]

Part B: The student provided a correct ordered pair (*6, 18*) by correctly interpreting the graph as each candy bar sold raised $3 and associating the *x*-coordinate of 6 with the corresponding *y*-coordinate of 18. [1 point]

Part C: The student provided a correct and complete explanation for why none of the coordinates on the graph can have a *y*-coordinate of 77 (*Because even if you keep on adding a candy bar for $3.00 you would never get $77 dollar Because 77 is not a muitple of 3*). Since each candy bar sold raised $3, all *y*-coordinates must be divisible by three. [1 point]

Part D: The student provided the correct answer (*200 candy bars*)with correct and complete support. The student first multiplied 240 [dollars] by 2.5 to find Leon’s goal of *$600*. The student then divided $600 by $3 to find *200* as the number of candy bars Leon needs to sell to reach his goal. [1 point]

**T1-5 Score 0**

Part A: The student provided an incorrect answer (*four, twelve*). The answer provided is a plotted coordinate on the graph; however, the *x*-axis is not identified as the axis representing the number of candy bars sold. [0 points]

Part B: The student provided an incorrect ordered pair (*6,16*). While the *x*-coordinate is correct (*6*), the *y*-coordinate of 16 is incorrect. The *y*-coordinate is 18 for an *x*-coordinate of 6. [0 points]

Part C: The student provided an incorrect explanation for why none of the coordinates on the graph can have a *y*-coordinate of 77 (*Because the y cordinate is all evens*). [0 points]

Part D: The student provided an incorrect answer (*two hundred thirty seven and five tenths)* with incorrect support (*because you would do two hundred forty minus two and five tenths)*. The 240 should have been multiplied by 2.5, not 2.5 subtracted from 240. Additionally, the step (600 ÷ 3) is not provided. [0 points]

**T1-6 Score 1**

Part A: The student correctly identified *x* as the axis representing the number of candy bars sold. [1 point]

Part B: The student provided an incorrect answer (*16, 6*). [0 points]

Part C: The student provided an incorrect explanation for why none of the coordinates on the graph can have a *y*-coordinate of 77 (*because the y axis only goes up to 20*). [0 points]

Part D: The student provided an incorrect answer (*96 candy bars)* with no support. [0 points]

**T1-7 Score 2**

Part A: The student correctly identified *The X axis* as the axis representing the number of candy bars sold. [1 point]

Part B: The student provided a correct ordered pair (*6,18*) by correctly interpreting the graph as each candy bar sold raised $3 and associating the *x*-coordinate of 6 with the corresponding *y*-coordinate of 18. [1 point]

Part C: The student provided an incorrect explanation for why none of the coordinates on the graph can have a *y*-coordinate of 77 (*Because if you keep continuing the patern by two, you wouldn’t count to 77 because it’s an odd number*). Each candy bar sold raised $3, so the *y*-coordinates increase by three for each candy bar sold, not two. [0 points]

Part D: The student provided an incorrect answer (*The fewest numbers of candy bars he needs to sell to reach his goal is 120 bars of candy*) with complete support (*I did $240 his earnings last year × 1.5 how much he wants to increase his goal by and got 360, then I did 360 ÷ $3.00 per bar, to get 120 bars as his goal*). A copy error of using 1.5 instead of 2.5 resulted in an incorrect answer; the process is correct. [0.5 point]

**T1-8 Score 0**

Part A: The student provided an incorrect answer [12$ selling 4]. The *x*-axis is not identified as the axis representing the number of candy bars sold. [0 points]

Part B: The student provided an incorrect ordered pair (*6,16*). While the *x*-coordinate is correct (*6*), the *y*-coordinate of 16 is incorrect. The *y*-coordinate is 18 for an *x*-coordinate of 6. [0 points]

Part C: The student provided an incorrect explanation for why none of the coordinates on the graph can have a *y*-coordinate of 77 (*not enoug)*. [0 points]

Part D: The student did not provide an answer with incorrect support (*3 x 21)*. [0 points]

**T1-9 Score 3**

Part A: The student correctly identified *x-axis* as the axis representing the number of candy bars sold.[1 point]

Part B: The student provided a correct ordered pair (*6,18*) by correctly interpreting the graph as each candy bar sold raised $3 and associating the *x*-coordinate of 6 with the corresponding *y*-coordinate of 18. [1 point]

Part C: The student provided an incorrect explanation for why none of the coordinates on the graph can have a graph can have a *y*-coordinate of 77 (*because the count goes up by 2s and 77 is odd not even like the 2s*). Each candy bar sold raised $3, so the *y*-coordinates increase by three for each candy bar sold, not two. [0 points]

Part D: The student provided the correct answer (*200 candy bars*) with correct and complete support. The student first multiplied 240 [dollars] by 2.5 to find Leon’s goal of *$600*. The student then divided 600 by 3 to find *200* as the number of candy bars Leon needs to sell to reach his goal. [1 point]

**T1-10 Score 4**

Part A: The student correctly identified *The X axis* as the axis representing the number of candy bars sold. [1 point]

Part B: The student provided a correct ordered pair (*6,18*) by correctly interpreting the graph as each candy bar sold raised $3 and associating the *x*-coordinate of 6 with the corresponding *y*-coordinate of 18. [1 point]

Part C: the correct and complete explanation for why none of the coordinates on the graph can have a *y*-coordinate of 77 (*It is not possible because 3 does not evenly divide into 77*). Since each candy bar sold raised $3, all *y*-coordinates must be divisible by three. [1 point]

Part D: The student provided the correct answer (*at least 200 candy bars*) with correct and complete support. The student first multiplied 240 [dollars] by 2.5 to find Leon’s goal of *$600*. The student then divided 600 by 3 to find *200* as the number of candy bars Leon needs to sell to reach his goal. [1 point]