1)   **At a movie theater adult tickets cost $16.50 and child tickets cost $7.50. There were 2 more adults than triple the children at the last showing of How to Train a Dragon 3 and $1,629 was collected at the ticket booth. How many of each ticket was sold?**

2)   **A jar of change has $75.95 in it. There are 2 dimes more than 3 times the amount of nickels and 3 quarters less than double the amount of nickels. How many nickels, dimes, and quarters are in the jar? (There are no pennies.)**

3)   **A store sells Gleyber Torres jerseys for $185 and Mookie Betts jerseys for $120. The store sold 9 more Torres jerseys than 7 times the Betts jerseys and total sales were $4,495. How many of each jersey were sold?**

4)   **Find 5 consecutive integers with a sum of – 415.**

5)   **Find 5 consecutive odd integers such that the sum of the 2nd and 5th is 228.**

6)   **Find 3 consecutive even numbers such that the triple the 1st number is 30 more than the sum of the 2nd and 3rd number.**

7) **A jar of change has \$43.40 in it. There are 6 more nickels than triple the quarters. There is 1 less dime than double the amount of quarters. How many nickels, dimes, and quarters are in the jar?**

8) **Find 5 consecutive integers such that the sum of the 2nd and 4th is -900. Find the sum of the 3rd and the 5th integers.**

9)   **Find 6 consecutive even integers such that the sum of the 3rd and 4th is 126 less than 4 times the 2nd.**

10)   **Find 5 consecutive negative odd integers such that the product of the 2nd and 4th is 594 more than the sum of the 1st, 3rd, and 5th.**

11) The perimeter of a rectangle is 224 inches. If the width is 7 inches more than ¼ the length, what are the dimensions of the rectangle?

12) A local store sells "I Love Prep" t-shirts for $19.00 and "I Love Cross" t-shirts for $14.00. If the store sold 64 more "Prep" shirts than 13 times the amount of "Cross" shirts and collected $1,738, how many of each were sold?

13) The perimeter of a rectangle is 152 inches. If the width is 4 inches less than ⅓ the length, what are the dimensions of the rectangle?

14) The perimeter of a triangle is 38 feet. The 2nd side is 9 less than double the 1st. The 3rd side is 5 more than half the 1st. Find the three sides of the triangle.

15) The perimeter of a triangle is 117 feet. The 2nd side is 12 more than ⅔ of the 1st. The 3rd side is 16 less than the double the 1st. Find the three sides of the triangle.

Answer Key:
1) *86A, 28C*
2) *90n, 272d, 177q*
3) *2 Betts, 23 Torres*
4) *-87, -85,-83,-81,-79*
5) *109,111,113,115,117*
6) *36,38,40*
7) *222n, 143d, 72q*
8) *-452,-451,-450,-449,-448   sum= -898*
9) *64,66,68,70,72,74*
10) *-27,-25,-23,-21,-19*
11) *l=84 inches, w=28 inches*
12) *2 "I Love Cross" and 90 "I Love Prep"*
13) *l=60 inches, w=16 inches*
14) *12,15,11*
15) *33,34,50*