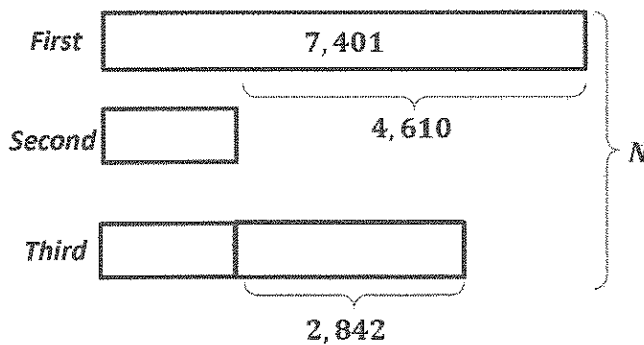## G4-M1-Lesson 18

Draw a tape diagram to represent each problem. Use numbers to solve, and write your answer as a statement.

1. Bridget wrote down three numbers. The first number was 7,401. The second number was 4,610 less than the first. The third number was 2,842 greater than the second. What is the sum of her numbers?
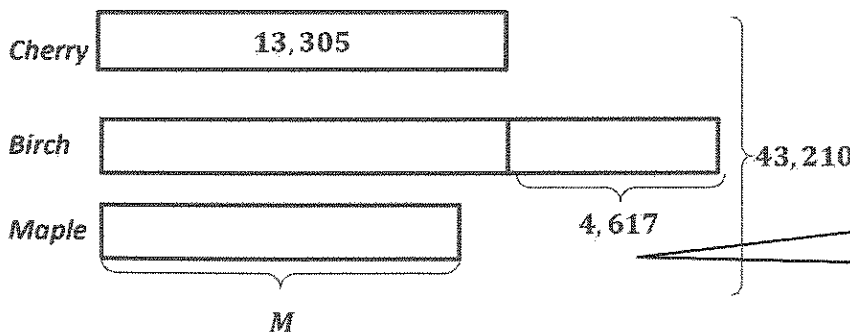

To find the second number, I subtract.

```
    13
  6  3  10
  7, 4  0  1
− 4, 6  1  0
  2, 7  9  1
```

```
  2, 7  9  1
+ 2, 8  4  2
  1  1
  5, 6  3  3
```

To find the third number, I add 2,842 to the value of the second number.

```
  7, 4  0  1
  2, 7  9  1
+ 5, 6  3  3
  1  1
1 5, 8  2  5
```

The sum of Bridget's numbers is 15,825.

2. Mrs. Sample sold a total of 43,210 pounds of mulch. She sold 13,305 pounds of cherry mulch. She sold 4,617 more pounds of birch mulch than cherry. The rest of the mulch sold was maple. How many pounds of maple mulch were sold?

This problem is different than the other. Here, I know the total, but I don't know one of the parts.

I don't know how long the tape for the maple mulch should be, so I estimate.

```
1 3, 3  0  5
1 3, 3  0  5
+  4, 6  1  7
   1  1     1
3 1, 2  2  7
```

```
        11 10
     2   1  0   10
  4  3,  2  1   0
− 3 1,  2  2   7
  1 1,  9  8   3
```

$M = 43,210 − 31,227$

$M = 11,983$

11,983 pounds of maple mulch were sold.