11. Find the smallest number which will contain each of the numbers 413, 708 and 885, and give a remainder in each case equal to twice their greatest common measure.

12. Samuel Smith sold six bushels of clover seed at $7.50 per bushel; he bought 28½ lbs. of tea at 64 cents per pound, 44 lbs. of coffee at 20¼ cents per pound, 33⅓ lbs. of raisins at 12 cents per pound, and 56 lbs. of sugar at 8¼ cents per pound. How much money did he bring home?

EXERCISE X.

1. What is the smallest number whose quotient when it is divided by 13, will exactly contain 18, 24, 27 or 63?

2. A merchant lost ⅘ of his capital, and then gained $600 and was then worth $3400. How much money did he lose?

3. The remainder is 663 less than three times the product of 26 and 14; the quotient is 61 less than 162 times the remainder; the dividend is 38121342 greater than the product of the quotient and remainder. What is eight times the divisor?

4. A farmer had 672 bushels of wheat, 1056 bushels of barley, and 1632 bushels of oats, which he wished to put into the least number of bins containing the same number of bushels, without mixing the three kinds; what number of bushels must each bin hold, and how many bins of each kind of grain would there be