3. What is the smallest number which, after having been multiplied by 39 will exactly contain 52, 78 or 117?

4. $65\frac{3}{7}$ is $\frac{1}{3}$ of what number?

5. If 28 pounds of sugar are worth 56 oranges, and 21 oranges are worth 63 apples, and 13 apples are worth 26 cents, how many pounds of sugar can be bought for $3.24?

6. Colin Cameron willed $48000 to his family; he left $\frac{1}{3}$ to his wife, $\frac{1}{16}$ of the remainder to each of his five sons, and divided what was then left equally among his six daughters. How much did each daughter receive?

7. Seven times the sum of two numbers is 1288168, and half their difference is 4419; what are the numbers?

8. I sold a house for $9639, gaining $\frac{3}{4}$ of $\frac{5}{7}$ of the cost; what was two thirds of the cost?

9. Two-ninths of a field is planted with corn, two-fifths with potatoes, one-third with turnips and the remainder, which is half an acre, with onions. How many acres are there in the field?

10. Three times the product of two numbers is 142861134, and $\frac{7}{13}$ of one number is 3227. Find five times the other number.

11. What number must be taken from the sum of $93\frac{1}{3}$ and $27\frac{1}{4}$ to leave a remainder equal to the sum of $8\frac{1}{6}$, $9\frac{3}{4}$ and $\frac{7}{8}$?

12. The factors of a number are $3\frac{1}{5}$, $4\frac{1}{8}$, $7\frac{1}{3}$ and $2\frac{5}{11}$; find fifteen times the number.