1. Three boys bought fruit at the same price. James bought 4 apples, 2 pears, and an orange for 14 cents; John bought 2 oranges, 3 pears, and 2 apples for 15 cents; William bought 5 pears, 3 oranges, and an apple for 19 cents. What was the price of each?

2. A man puts one-third of his money at interest at 5%, and the remainder at 6¼%. If he receives $2100 interest yearly, what is his principal?

3. 20 cows eat a certain quantity of hay in 40 days. 240 sheep and 20 cows will eat the same quantity in 10 days. How long would the same quantity last 240 sheep?

4. Find two numbers whose difference and quotient is 5.

5. Find two numbers whose sum is 184 and whose ratio is that of 6 to 8.

6. A certain sum of money at simple interest amounts to $1545 in 6 mo., and $1567.50 in 9 mo. What is the principal and rate?

7. Find two numbers in the ratio of 2 to 3 such that if 4 be taken from each the numbers will be in the ratio of 1 to 2.

8. A man bought some oranges at the rate of 2 for 3 cents, and some apples at the rate of 4 for 5 cents. He sold them all for 2 cents apiece, thereby gaining 60 cents. How many of each kind did he buy?

9. A and B can perform a certain piece of work together in 6 days, A and C can perform it in 4½ days, and B and C in 5½ days. In how many days could each perform the work?

10. A man bought $5000 worth of railroad 4's and 5's at par. His yearly income from his 4 per cent bonds is $65 more than what he receives in interest from the 5 per cent bonds. What sum has he invested in each kind?

11. If the numerator of a certain fraction is increased by 8 and the denominator is decreased by 8, the value of the fraction will be 2. If the numerator is decreased by 3 and the denominator is increased by 3, the value of the fraction is $\frac{1}{6}$. What is the fraction?

12. A number of 2 digits is 4 times the sum of its digits; the tens digit is 4 smaller than the units digit. What is the number?