1. Find two numbers whose sum is 14 and whose difference is 2.

2. Find the numbers whose sum is 26, and half of whose difference is 5.

3. Find two numbers such that one shall be as much greater than 14 as the other is less than 14, and $\frac{1}{3}$ of their difference is equal to 4.

4. If $\frac{1}{2}$ of John's money is equal to $\frac{1}{3}$ of James's, and $\frac{1}{2}$ of James's money is 5 more than $\frac{1}{3}$ or John's money, how much has each?

5. If 6 apples and 3 oranges sell for 21 cents, and 4 apples and 8 oranges sell for 48 cents, what is the price of each?

6 Find two numbers such that 20% of one is equal to 50% of the other, and 75% of their difference is equal to 3.

7 The difference between two numbers is 10. Three times the larger number added to twice the smaller number is 105. Numbers?

8. A man is 10 years older than his wife, and she is 30 years older than her daughter. The sum of the ages of all three is 100 years. What is the age of each?

9 A boy is 10 years old, and his father is 40 years old. In how many years will the father's age be double that of his son?

10 James is $\frac{1}{2}$ older than John, but in 6 years he will be only $\frac{1}{3}$ older. How old is each?

11 If 8 lb. of coffee are worth 3 lb. of tea, and 7 lb. of tea are worth 90 cents more than 15 lb. of coffee, what is the price of each per pound?

12. A merchant gains each year $\frac{1}{3}$ of his capital, and at the end of each year withdraws $1000. At the beginning of the fourth year his capital was double what it was three years before. What was his capital originally?

13. A and B have together $40. If A should give to B $4, then A would have $10 more than B. How much has each?

14 A man having 5 children gave to the first half of all the apples he had, less 8 apples; to the second, half of what remained, less 8 apples; and in the same way to the other three children, giving the last child 20 apples. How many apples had he in the first place?