Exercise 6.5

1. Arthur has 12 more mangoes than Margaret. If they have 28 mangoes altogether, find the number of mangoes Arthur has.

2. Michael and Hassan together have 19 pineapples. If Hassan has 3 pineapples less than Michael, find the number of pineapples Michael has.

3. A number is only one third another. If their difference is 38, find the numbers.

4. A certain number is less than another by $\frac{3}{4}$. If their sum is $9\frac{1}{4}$, find the numbers.

5. One number is greater than half of another by 15. If their sum is 48, find the numbers.

6. A father is four times as old as his son now. If the father was 46 years old two years ago, find the son's age now.

7. A plant grows 3.5 cm per week. It is now 10 cm tall. How many weeks from now will the plant grow to a height of 27.5 cm?

8. The sum of two consecutive even numbers is 54. Find the numbers.

9. If the sum of two consecutive odd numbers is 208, what are the numbers?

10. If m is an odd number, write an expression for the next three consecutive odd numbers. If the sum of these four numbers is 32, find m.

11. The sum of a number, $\frac{3}{8}$ of the number and $\frac{5}{16}$ of the number is $7\frac{1}{2}$. Find the number.

12. I think of a certain number. If I multiply it by 6, add −18 to the product and take away one-third of the sum, I will get −2. What is the number?

13. The sum of two numbers is 2 and their difference is 10. Find the numbers.

14. There are twice as many 50-cent coins as there are one dollar coins in a box. If the total value of the money in the box is 154 dollars, how many 50-cent coins are there in the box?

15. Divide 102 dollars among three boys, A, B and C, so that A gets twice as much as B and C gets $1\frac{1}{2}$ times as much as A. How much does each boy get?