

Topic 13: Problem solving with equations

In the following questions, write an equation using the pronumeral x for the unknown number, and then find the value of x .

1 The sum of a number and 7 is 21.

2 The sum of 5 and x is 14.

3 I think of a number and add 8. The result is 20.

4 A number increased by 6 is 15.

5 The difference between a number and 3 is 8.

6 I think of a number, double it and the result is 24.

7 The product of 3 and x is 21.

8 The product of 8 and x is 32.

9 x divided by 3 equals 5.