1) What's the value of x which its square value is equal to its double?

2) In the equation $2x - 9 = 25$, the solution is:

a) $\frac{1}{2}$

b) 8

c) 5

d) 17

3) Try to get the value of x operating mentally.

$$8x = 72$$

4) Solve the following equation:

$$x : 5 = 8$$

5) Solve the following equation:

$$x^2 : 4 = 4$$

6) I bought a compass and a set square by 9€. The compass costs more 6€ than the set square. How much costs the set square? And the compass?

7) John and Peter have 76 books but John has the triple of Peter's books.

How many books have each?

8) Match each equation to its solution:

a) $5 - x = 7$ i) 0

b) $2x + 3 = 3$ ii) -2

c) $x - 3 = 3x + 1$ iii) 2

9) Write the equation of the problem and solve it.

The sum of a number with 5 is zero.

10) Present three consecutive numbers whose sum is twelve.

11) Which of the following expressions is an equation?

a) 3 x + 1 > 7
b) 3 x 4 + 1 = 13
c) $8x + 1$
d) 2 - x = 6

12) Solve the following equation:

$$\frac{a}{3} + 5 = 2$$

13) Solve and classify the following equation:

$$2x + 3 = 4 + 2x$$

14) Try to find the solution of the following equation:

$$x + x = 2x$$

15) Are the following equations possibles in $\mathbb{N}$?

a) $n - 5 = 10$
b) $n + 5 = 10$
c) $3p = -18$
d) $p - 5 = -10$