

Nice 3 Ecole Tordo CM1 Mme Blanc

Mathematical problem

In the London zoo, there are 34 foxes, 103 snakes, 21 crocodiles, 18 tigers, 69 owls and 96 mouses.

- _ Half of the foxes escapes the zoo
- _ Snakes make 18 baby snakes
- _ Crocodiles make 6 times less babies than snakes
- _ One quarter of the mouses escapes the zoo.

How many animals are there now in the London zoo?



CM1 A , école O.Tordo Tourettes-Levens

SOLUTION

- Let's calculate the number of foxes :

$$34 : 2 = 17$$

There are 17 foxes.

- Let's calculate the number of snakes :

$$103 + 18 = 121$$

There are 121 snakes.

- Let's calculate the number of crocodiles :

$$18 : 6 = 3$$

Crocodiles have 3 babies. So they are now 24 because $21 + 3 = 24$

- Let's calculate the number of mice :

One quarter escapes :

$$96 : 4 = 24$$

24 mice escape so there are 72 because :

$$96 - 27 = 72$$

- The number of tigers and owls is the same.
- So $17 + 121 + 24 + 72 + 18 + 69 = 321$

Now, there are 321 animals in the London zoo.

