

How many drops of water are there in a milliliter of water?

HOW MANY DROPS OF WATER ARE THERE IN A MILLILITER AND IN A LITER?

AIM SCOPE:

The scope of this experiment is to find how many drops of water there are in a milliliter and in a liter.

EQUIPMENT:

- syringe
- Petri dish
- water
- teaspoon
- tablespoon
- glass
- graduated cylinder

METHOD:

First we were divided in groups of three or four people. Then each group took a syringe and filled it up to one milliliter. We pushed the syringe and the drops fell in the Petri dish, while we were counting them. We repeated this process for five times. The results were: 17, 18, 16, 15, 17. After that we calculated the average number and it was 16,6. We approximated the number to 17 and then to 20. To find the number of drops in 1 liter, we multiplied 20 for 1000.



OBSERVATIONS: OSSERVAZIONI:

| Trial | Number of drops |
|----------------|-----------------|
| 1 | 17 |
| 2 | 18 |
| 3 | 16 |
| 4 | 15 |
| 5 | 17 |
| Average number | 16,6 |

$20 \times 1000 = 20.000$ (drops)

CURIOSITY:

We repeated the same process with a teaspoon, a tablespoon and a glass. Then we measured the volume of the water contained in the instruments with the graduated cylinder: in the teaspoon there were 5 milliliters, in the tablespoon 13 milliliters and in the glass 325 milliliters. We multiplied each result for 20 (the number of drops in 1 milliliter): the drops in the teaspoon were 100, in the tablespoon 260 and in the glass 6.500.

CONCLUSIONS:

- In 1 milliliter there are 20 drops of water.
- In 1 liter there are 20.000 drops of water.
- In 1 teaspoon there are 100 drops of water.
- In 1 tablespoon there are 260 drops of water.
- In 1 glass there are 6.500 drops of water.



1 GOCCE
2 GOCCE = la i ucc
perle!

-abbiamo ripetuto l'esperimento altre 4 volte e successivamente abbiamo fatto la media di tutti i nostri risultati e al nostro gruppo è risultata 21 gocce.
-Abbiamo fatto la media delle medie che hanno svolto tutti gli altri gruppi e il risultato che abbiamo utilizzato successivamente è 20 gocce.
-una volta fatto questo primo esperimento abbiamo scritto le difficoltà che abbiamo avuto nel farlo, nel nostro caso non ce ne sono state di particolari.