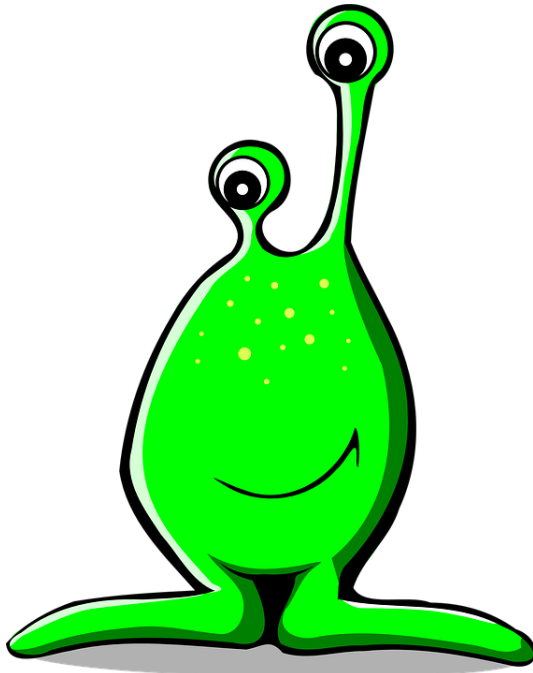


## Scheda 5



### Can you help me?

"Hello guys!!

How are you? Thanks for your explanation! I need your help again!

Do you know, something strange happened to me: yesterday I went to my friend house and we wanted to cook something together: we looked for oil and...he had it in the freezer!!

Can you imagine my surprise to find a frozen block of oil: I measured its sides and they were 1 dm long: it was a cube.

We decided to melt it! We had to find the correct container to put it in: we didn't want to waste any oil, of course!!

**Help Maggie to find the correct container!**



## Do you know?

### There are other units of measurement for volumes

1. Build  $1\text{ dm}^3$  using cards: draw the solid net of the cube and use some tape to close it well.

2. How much water can fit in  $1\text{ dm}^3$ ?

Try to guess.

.....

Now **check** your assumptions: use a graduated cylinder.

So to summarize:

$1\text{ dm}^3 = \dots\dots\dots$
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3. We know that 1l is equal to 1000ml and fits into  $1\text{ dm}^3$

And, 1ml? How much space does it occupy? What part of the  $\text{dm}^3$  is it?.....

4. Find which cube could represent 1ml.

5. Verify your discovery:

a. fill a cylinder with 100ml of water

put a row made up of 5 of the cubes you found in the graduated cylinder

what happens to the water level?

b. fill a cylinder with 100ml of water

put a row made up of 10 of the cubes you found in the graduated cylinder filled with 100ml of water:

what happens to the water level?

So to summarize:

$1\text{ ml} = \dots\dots\dots$
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