

# Volume 4 (Answer Key)

Convert the units of volume into larger and smaller units.

Fill out the table with the units of volume, then find the missing unit.

Unit	hl		l	dl	cl	ml	Missing
3 hl	3						300 l
123 l	1	2	3				1,23 hl
2,34 l			2	3	4		23,4 dl
23 dl			2	3			2,3 l
596 ml				5	9	6	0,596 l
2951 cl		2	9	5	1		29,51 l
4 l			4				4 000 ml
2 l			2				200 cl
23 335 cl		2	3	3	3	5	0,23335 hl

Sort the units based on size, beginning with the smallest amount.

34 l	0,344 hl	3344 dl	3233 ml	3,44 l	3,23 hl
34 l	34,4 l	334,4 l	3,233 l	3,44 l	323 l
3,233 l	< 3,44 l	< 34 l	< 34,4 l	< 323 l	< 334,4 l

The new school aquarium can hold 561 l. The 2a class is allowed to fill the tank. Each student receives a 1,5 l bottle. How many bottles will it take to fill the tank completely?

$$\begin{array}{ll} \text{Equation:} & 561 \text{ l} : 1,5 \text{ l} = \quad \quad \quad (\text{Total of bottle needed}) \\ & 5610 \text{ dl} : 15 \text{ dl} = 374 \quad \quad \quad (\text{Conversion to dl}) \\ & 374 : 22 = 17 \quad \quad \quad (\text{Amount of refills per student}) \end{array}$$

Answer: In total the aquarium needs 374 bottles full to be filled up. Each of the 22 students will need to fill the bottle 17 times.