

## Volume 3 (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
344 l	3	4	4				3,44 hl
524 l	5	2	2				5,22 hl
34 l		3	4	0			340 dl
345 dl		3	4	5			34,5 l
545 555 ml	5	4	5	5	5	5	545,555 l
34 175 cl	3	4	1	7	5		341,75 l
1,1 l			1	1	0	0	1 100 ml
23,85 dl			2	3	8	5	238,5 cl
12 975 cl	1	2	9	7	5		1,2975 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					
3233 ml	<	3,44 l	<	34 l	<	0,344 hl	<	3,23 hl	<	3344 dl

To make 1 kg cream cheese, one needs 4 l milk. One cow produces 50 l milk in one day. The cheese company is supplied by three cow farmers. Farmer Huber has 11 cows, farmer Koller has 21, and farmer Fürst has 16 cows. How many kg of cream cheese can the company make everyday?

$$\begin{array}{ll} \text{Equation:} & 11 + 21 + 16 = 48 & \text{(Total of cows)} \\ & 48 \cdot 50 \text{ l} = 2400 \text{ l} & \text{(Amount of milk per day)} \\ & 2400 \text{ l} : 4 \text{ l} = 600 & \text{(kg cream cheese)} \end{array}$$

Answer: The three farmers deliver 2400 l milk in a day. 600 kg cream cheese can be made from the milk.