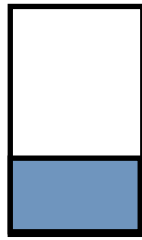


ABV Dilutions

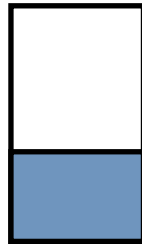
Bought Alcohol

Blue represents absolute alcohol as a percentage of the total volume, that is ABV, alcohol by volume.

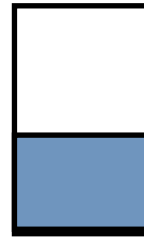
The rest of the volume is water.



36%



37.5%



40%

If you use alcohol straight from the bought bottle, the overall ABV will be as stated on the bought bottle.

Diluting further:

10mls example



A) 5mls of alcohol from the bought bottle and 5 mls water and essences

18%

18.75%

20%



B) 6mls of alcohol from the bought bottle and 4 mls water and essences

21.6%

22.5%

24%

You can see here that filling 0.6 (six tenths) of the bottle volume with bought alcohol gives % ABV that is biologically safe (above 19%) and can be posted in the UK (24% or below).

You can see too, that using 0.5 (one half) of the bottle volume with bought alcohol gives a % ABV that is borderline biologically safe for 36 & 37.5% bought alcohols at below 19% overall.

Calculations:

A) 5 mls of ten are bought alcohol. Therefore $5/10 \times \% \text{ bought alcohol strength} = \text{ABV}$

B) 6 mls of ten are bought alcohol. Therefore $6/10 \times \% \text{ bought alcohol strength} = \text{ABV}$