

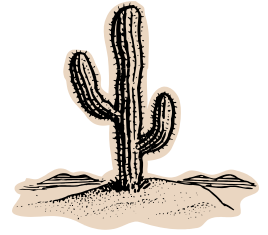
### Desert Survival Problem

A small plane carrying three people makes a forced landing in the desert.

The people decide to split up and go in three different directions in search of an oasis.

They agree to divide equally the food and water they have, which includes 15 identical canteens, 5 full of water, 5 half-full of water, and 5 empty. They want to take the empty canteens with them in case they find an oasis. They do not pour any water from one canteen to another, for fear of wasting their precious water.

How can they equally divide the water and the canteens among them?



The beginning part of this Youtube video can be watched to give visuals of a canteen  
<http://www.youtube.com/watch?v=SiggF7Wt3PE>