



Reservoir Game

You are the owner of a 30-unit condo development. In order to stay in business, at least 20 of these units need to be rented every year. You make a profit when you are able to rent out one or more of your remaining 10 units each year. To rent those additional units, you need to maintain special amenities on your property, such as a pool or gym facility.

There are many resources you need to maintain your condo development, including water. The water your development uses is supplied by a reservoir that is also shared by other condo developments.

Presently, there are no regulations on how much water each condo development can use each year. The reservoir is replenished by annual precipitation, which can vary from year to year. Because of this variation, the reservoir is susceptible to being used up.

Below is the amount of water used to maintain different aspects of the condo development each year.

Description of Water Use	# Units Rented	Water Used
Basic Needs (e.g. drinking water, showering, dishwashing)	20 units	1 sticky note
Beautiful Landscape with gardens, manicured lawns, and playground	5 additional units	2 sticky notes
Gym with equipment, shower facilities, and classrooms	3 additional units	1 sticky note
Swimming Pool with kiddie pool and changing facilities	3 additional units	1 sticky note