

LOST ON THE MOON 0

COMPUTER SCIENCE 61A

August 25, 2016

1 Lost on the Moon

Your spaceship has just crashed on the moon. You were scheduled to rendezvous with a mother ship 200 miles away on the lighted surface of the moon, but the rough landing has ruined your ship and destroyed all the equipment on board except for the 15 items listed below.

Your crew's survival depends on reaching the mother ship, so you must choose the most critical items available for the 200-mile trip.

Your task is to rank the 15 items in terms of their importance for survival. Place a number 1 by the most important item, number 2 by the second most important, and so on, through number 15, the least important.

Item	Your Rank (1)	Group's Rank (2)	NASA's Rank (3)	$ (3) - (1) $	$ (3) - (2) $
Box of matches	3		15		
Food concentrate	1		4		
50 feet of nylon rope	2		6		
Parachute silk	3		8		
Solar-powered portable heating unit	1		13		
Two .45 caliber pistols	3		11		
One case of dehydrated milk	3		12		
Two 100-pound tanks of oxygen	1		1		
Stellar map (of the moon's constellations)	1		3		
Self-inflating life raft	3		9		
Magnetic compass	3		14		
5 gallons of water	1		2		
Signal flares	3		10		
First-aid kit containing injection needles	3		7		
Solar-powered FM receiver-transmitter	2		5		
Total					