

Moon Landing Game

Instructions: You are a member of a space crew originally scheduled to rendezvous with a mother ship on the lighted side of the moon. Due to mechanical difficulties, however, your ship was forced to land at a spot some 200 miles from the rendezvous point. During landing, much of the equipment aboard was damaged and since survival depends on reaching the mother ship, the most critical items available must be chosen for the 200 mile trip. Below are listed the 15 items left intact and undamaged after landing. Your task is to rank them in order of importance to your crew in allowing them to reach the rendezvous point. Place the number 1 by the most important item, the number 2 by the second most important item, and so on, through number 15, the least important item.

My Ranking:

_____ Box of matches	_____	_____
_____ Food concentrate	_____	_____
_____ 50 feet of nylon rope	_____	_____
_____ parachute silk	_____	_____
_____ two .45-calibre pistols	_____	_____
_____ one case of dehydrated milk	_____	_____
_____ two 100-pound tanks of oxygen	_____	_____
_____ stellar map (of the moon's constellations)	_____	_____
_____ life raft	_____	_____
_____ magnetic compass	_____	_____
_____ five gallons of water	_____	_____
_____ signal flares	_____	_____
_____ first aid kit containing injection needles	_____	_____
_____ solar-powered FM receiver	_____	_____
_____ portable heating unit	_____	_____

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Instructor's Answer Sheet

Instructions: You are a member of a space crew originally scheduled to rendezvous with a mother ship on the lighted side of the moon. Due to mechanical difficulties, however, your ship was forced to land at a spot some 200 miles from the rendezvous point. During landing, much of the equipment aboard was damaged and since survival depends on reaching the mother ship, the most critical items available must be chosen for the 200 mile trip. Below are listed the 15 items left intact and undamaged after landing. Your task is to rank them in order of importance to your crew in allowing them to reach the rendezvous point. Place the number 1 by the most important item, the number 2 by the second most important item, and so on, through number 15, the least important item.

- 1) Take 10 minutes to decide your own ranking, and record your choices in the left-hand column.
- 2) Get into groups of 4-5 and make a second ranking. Discuss your individual choices and decide on a ranking as a group. Record your choices in the second column.
- 3) The correct answers were compiled by a team of scientists and engineers at NASA. Compare your individual and group answers with the correct answers and determine a score, the sum of the differences between answers.

Indiv	Group Correct
_____ Box of matches	_____ 15
_____ Food concentrate	_____ 4
_____ 50 feet of nylon rope	_____ 6
_____ parachute silk	_____ 8
_____ two .45-calibre pistols	_____ 11
_____ one case of dehydrated milk	_____ 12
_____ two 100-pound tanks of oxygen	_____ 1
_____ stellar map (of the moon's constellations)	_____ 3
_____ life raft	_____ 9
_____ magnetic compass	_____ 14
_____ five gallons of water	_____ 2
_____ signal flares	_____ 10
_____ first aid kit containing injection needles	_____ 7
_____ solar-powered FM receiver	_____ 5
_____ portable heating unit	_____ 13

TOTAL Differences:

Individual:

Group:

[The point here is that most people will have improved their scores by working together as a team. Team members will each contribute their background knowledge to the team's collective wisdom, improving the score over each individual members score.]