

Canyon Trip

You are going on a three-day camping trip in the Grand Canyon. The chart shows the weights of some equipment you may need. Each person must take at least 2 water canteens and 3 food tins on the trip.

Equipment	Weight (lb)
Water canteen	1
Food tin	2
Compass	1
Shovel	5
Binoculars	3
Tent	8
Chair	10
Pillow	2
Extra clothes	7
Cooking pots/pans	30
Sleeping cushion	4

1. You are going to hike alone and carry a backpack. The backpack can hold up to 25 lb. What equipment will you take on the trip?

2. You are hiking with 2 friends. Each will carry 1 backpack. The 3 of you can carry up to 75 lb. You will only need 1 tent. What equipment will you take on the trip?

3. You and 4 friends are taking donkeys on the trip. The donkeys can carry 180 lb. You will not take backpacks. You will need 2 tents. What equipment will you take on the trip?
