

Event #6 Bear Bag Scoring Guidelines

Material to be provided by Station Master:

Bear Bags
Food items
Parachord
Carabineers
Bandanna
Small rock
Stopwatches for timing

Bear Bag

Patrols place all “food items” provided into a bag and suspend from tree so bears cannot steal it during the night as illustrated in the diagram on the next page. Darkness is close so this is a timed event. For maximum points food must be at least 10 feet above ground, 8 feet away from tree, and 4 feet below any branches. The patrols should begin the challenge with a small rock placed tied in a bandanna. The bandanna is then tied to the end of a 50 foot length of parachord. The rock is thrown over a limb at least 14 feet above the ground and 8 feet from the side of the tree. For safety reasons, all patrol members must be kept well behind the rock thrower. If the throw misses the mark, the Scout recoils the rope and throws again (after 3 unsuccessful attempts, another patrol mate may assist). If the throw is good, he uses the end of the rope and provided carabineers to secure and hoist the bear bag. When the patrol secures the bear bag in its final position, the time will be stopped.

30 points will be awarded for successfully hanging the bear bag.

Deductions: -5 points for less than 10 feet above the ground
 -5 points for less than 4 feet below the branch
 -5 points for less than 8 feet from the side of a tree.

Judges decisions on all deductions are final.

Additional points are awarded at the end of the day for the fastest times in completing the task:

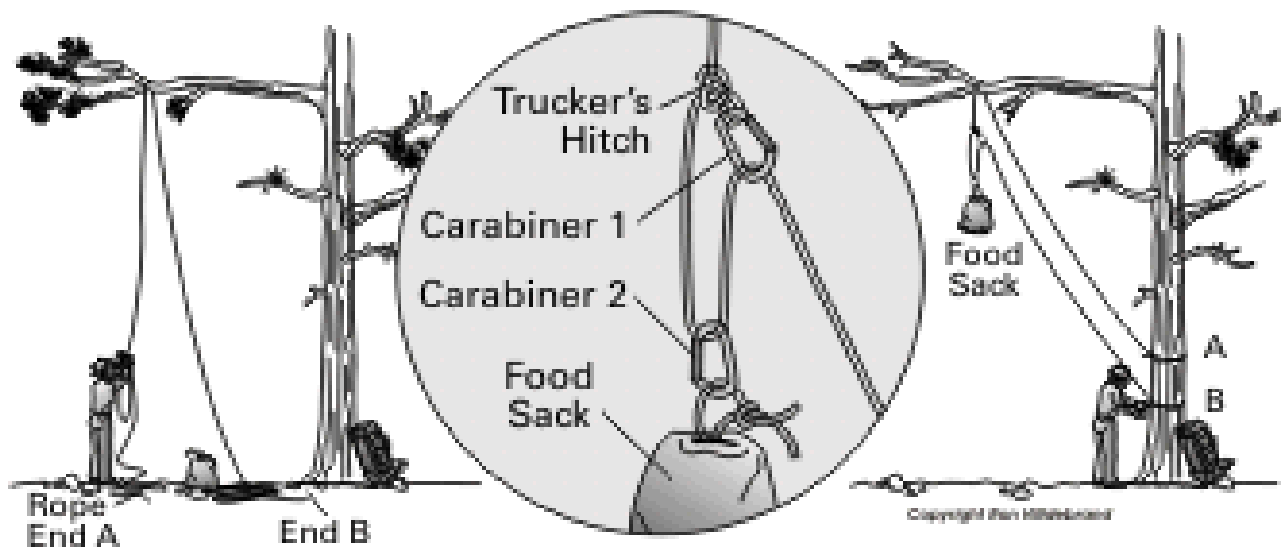
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|----------------------------------|--------|
| Fastest time | 20 pts |
| 2 nd place | 18 pts |
| 3 rd place | 16 pts |
| 4 th place | 14 pts |
| 5 th place | 12 pts |
| 6 th place | 10 pts |
| 7 th place | 8 pts |
| 8 th place | 6 pts |
| 9 th place | 4 pts |
| 10 th place | 2 pts |
| 11 th place and lower | 0 pts |

Total points possible: 50 points

Marrison Haul System

This simple but effective mechanical advantage hauling system was developed by Chris Marrison for the Outdoor Action Program (see Figure). It's particularly helpful when you have heavy food loads.

1. Find a tree with a live branch. The branch should be at least 15 feet (5 meters) from the ground with no object below the branch that could support a bear's weight. The point at which you will toss the rope over the branch should be at least 10 feet (3 meters) from the tree. The branch should be at least 4 inches in diameter (10 centimeters) at the tree and at least 1 inch in diameter (3 centimeters) at the rope point.
2. Throw the rope over the branch. Test the branch to make sure it is strong enough to hold the weight (don't be standing directly underneath when you test). Make a Trucker's Hitch about 6 feet (2 meters) from the ground and clip Carabiner 1 into the bight.
3. Feed the running end of Rope End B through Carabiner 2 and then through Carabiner 1.
4. Pull the end of the Rope End A to move Carabiner 1 as close to the tree branch as possible. Tie off Rope End A to the tree.
5. Attach the food bag to Carabiner 2 and haul the bag as high up as possible. Tie off Rope End B.
6. To retrieve the bag, untie Rope End B and lower the bag to the ground.



Bear Bag Score Sheet

| Patrol | Troop # | Time to Complete Task | Place | Points for Place | Points for Hanging Bag | Deductions | Total Points |
|---------------|----------------|------------------------------|--------------|-------------------------|-------------------------------|-------------------|---------------------|
| 1. | | | | | | | |
| 2. | | | | | | | |
| 3. | | | | | | | |
| 4. | | | | | | | |
| 5. | | | | | | | |
| 6. | | | | | | | |
| 7. | | | | | | | |
| 8. | | | | | | | |
| 9. | | | | | | | |
| 10. | | | | | | | |
| 11. | | | | | | | |
| 12. | | | | | | | |
| 13. | | | | | | | |
| 14. | | | | | | | |
| 15. | | | | | | | |
| 16. | | | | | | | |
| 17. | | | | | | | |
| 18. | | | | | | | |