

Lashing



1. Define lashing and explain its purposes.
2. How can lashing be used in a camping or outdoors setting? Give three examples.
3. What materials are used in lashing?
 - a. List types of ropes that are preferred for lashing.
 - b. Give the advantages of natural materials over dimensional lumber
4. Demonstrate the following beginning and ending knots:
 - a. Timber hitch
 - b. Clove hitch
 - c. Square knot
5. What beginning and ending knots are used in the following four types of lashing:
 - a. Square
 - b. Shear
 - c. Tripod
 - d. Diagonal
 - e. Continuous
6. Explain how to calculate the length and thickness of ropes needed for a project. Demonstrate how to preserve the ends of a cut rope.
7. Explain the differences between a frap and a wrap.
8. Demonstrate how to tie the following five lashings:
 - a. Square
 - b. Shear
 - c. Tripod
 - d. Diagonal
 - e. Continuous
9. Discuss what types of weight loading each diameter of rope can handle depending on the nature of the material.
10. Demonstrate ways to store ropes and wood for later use.
11. Create at least three of the following items:
 - a. Chair (must include seat and back)
 - b. Table (must be able to support 16 lbs. or 2 gallons of water)
 - c. Tripod for cooking fire
 - d. Flag pole (must have at least four spars)
 - e. Ladder (must include six rungs)

Skill Level 1

New in 2018

Lashing, Advanced

1. Earn the Lashing honor.
2. Demonstrate each of the following lashings:
 - a. Japanese square
 - b. Norwegian square
 - c. Filipino diagonal
 - d. West country round.
3. Demonstrate how to end a rope via whipping.
4. Complete a decorative lashing with at least two colors of rope.
5. Research for your area the following for your lashing project:
 - a. Where to legally find spars in nature
 - b. How to properly cut down natural materials and prepare them for usage.
6. Discuss how anchors are used in larger lashing projects.
7. Know the distance from the structure that anchors should be set for the following conditions:
 - a. Undisturbed ground
 - b. High wind
 - c. Disturbed ground
 - e. Loose sand and snow
8. Demonstrate how to do three of the following:
 - a. 1-1-1 Picket anchor
 - b. 3-2-1 Picket anchor
 - c. Log and picket anchor
 - d. Dead man's anchor
 - e. Fixed anchor.
9. Explain how to determine how large the diameter of a pole needs to be for the weight of a lashing project.
10. Construct at least two of the following, using only lashing:
 - a. Tower
 - b. Rope bridge (monkey bridge)
 - c. Entryway
 - d. Gate
 - e. Wood bridge
 - f. Raft
11. Construct one of the following projects with moving parts using only lashing:
 - a. Catapult
 - b. Lift bridge
 - c. Hoist

Skill Level 2

New in 2018

Recreation
North American Division
2018 Edition