

Ropework Merit Badge Worksheet



Requirement 1

Explain the following:

- a. The development of ropes

- b. Kinds of ropes and their uses

- c. How to take care of ropes

- d. The weakening effects of knots

Requirement 2

Show how to tie the following knots and explain their uses:

- a. Square Knot
 Show how to tie
Uses: _____

- b. Fisherman's Knot
 Show how to tie
Uses: _____

- c. Sheet Bend (Weaver's Knot)
 Show how to tie
Uses: _____

- d. Slippery Sheet Bend
 Show how to tie
Uses: _____

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e. Double Carrick Bend

Show how to tie

Uses: _____

f. Two Half-Hitches

Show how to tie

Uses: _____

g. Timber Hitch

Show how to tie

Uses: _____

h. Clove Hitch

Show how to tie

Uses: _____

i. Bowline

Show how to tie

Uses: _____

j. Man-Harness Knot

Show how to tie

Uses: _____

k. Packer's Knot

Show how to tie

Uses: _____

l. Sheepshank

Show how to tie

Uses: _____

m. Bowline on a Bight

Show how to tie

Uses: _____

n. Scaffold Hitch

Show how to tie

Uses: _____

o. Tautline Hitch

Show how to tie

Uses: _____

Requirement 3

Submit a knot-board to your counselor showing all the knots in Requirement 2.

Requirement 4

Show and explain the knots to be applied in making the following:

- a. Construction of a Pergola

List the knots to be applied

Show the knots to your counselor

Explain the knots to be applied

- b. Arches and Gateways

List the knots to be applied

Show the knots to your counselor

Explain the knots to be applied

- c. Repairing the broken leg of a chair

List the knots to be applied

Show the knots to your counselor

Explain the knots to be applied

- d. Tying bundles of firewood

List the knots to be applied

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Show the knots to your counselor

Explain the knots to be applied

e. Make a 20-foot ladder with wooden rungs

List the knots to be applied

Show the knots to your counselor

Explain the knots to be applied
