

## Outdoor Adventure Skills by Topic

# Ropes & Knots

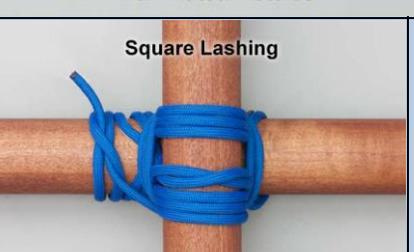
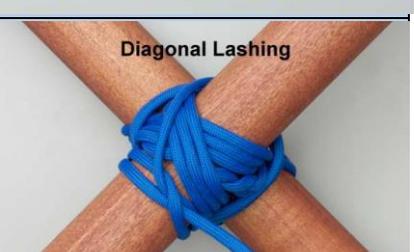
	1.1 I can <b>hang a drying/gear line</b> at camp with a <b>half hitch</b> or other knot.			2.7 I can demonstrate how to tie <b>reef knot</b> , <b>sheet bend</b> and <b>figure-eight</b> .
	2.1 I can tie a <b>reef knot</b> , a <b>round turn</b> and two <b>half-hitch</b> knots.			
	3.1 I can tie a <b>half hitch</b> , <b>clove hitch</b> and a <b>fisherman's knot</b> .			3.8 I can tie the <b>reef knot</b> , <b>sheet bend</b> , <b>figure-eight</b> and <b>bowline</b> used by Scouts when sailing or when camping.
	4.1 As part of a team, I have completed a Scoutcraft project using at least a <b>square lashing</b> to <b>join two poles</b> at right angles.			4.9 I can tie <b>eight knots</b> that are useful when <b>sailing</b> , <b>canoeing</b> or camping.
	4.2 I can tie a <b>figure eight</b> , <b>bowline</b> , <b>trucker's hitch</b> and <b>sheet bend</b> , and <b>whip the end of a rope</b> .			
	5.1 I have built a lean-to shelter and an A-frame sleeping tripod shelter using wood, tied with four <b>lashing</b> knots: <b>square</b> , <b>diagonal</b> , <b>tripod</b> and <b>shear lashings</b> .			5.1 I can tie these knots: water (tape), <b>double fisherman's</b> , prussic, <b>clove hitch</b> and <b>bowline</b> .
	6.1 I have built a usable Burma/Monkey bridge.			6.1 I have tied and used a <b>Munter hitch</b> (also called an Italian hitch) as a belay method. 6.2 I have constructed and used an improvised " <b>Parisian Baudrier</b> " chest harness
	7.1 Using spars (poles) and rope, I have constructed a <b>3m-high tower or a bridge</b> over a 3m span.			
	7.2 I have <b>taught five knots</b> to younger Scout members.			
	7.4 I can construct a 2:1, 3:1, and 4:1 <b>rope pulley system</b> to raise or move loads or tension lines.			
	8.1 I can <b>backsplice</b> , <b>short splice</b> and <b>eye splice</b> a three-strand rope.			
	8.10 I have <b>made</b> 4 metres of <b>3-strand cordage</b> from only <b>natural plant</b> products found outdoors.			
	9.1 I have <b>built</b> a large temporary pole and lashing " <b>gateway</b> " <b>entrance (with flag pole)</b> for a jamboree or campout activity site.			

It is interesting that additional knots required in stages past 4 are lashings (*Stage 5: square, diagonal, tripod and shear*) and splicing (*Stage 8: backsplice, short splice, eye splice*), which one could argue are not knots at all, but rather applications of knots. This really shows the importance of these fundamental knots. Higher stages may require more complex *projects (monkey bridge, tower, bridge, camp gateway)*, but largely rely on the knots potentially taught to Cub Scouts or early stage Scouts.

### Resources

- [wiki.scouts.ca/en/Knots](http://wiki.scouts.ca/en/Knots)
- [wiki.scouts.ca/en/Outdoor\\_Adventure\\_Skills\\_Knots](http://wiki.scouts.ca/en/Outdoor_Adventure_Skills_Knots)
- [animatedknots.com](http://animatedknots.com)

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 <p>The Overhand Knot</p> <p>www.animatedknots.com</p>	 <p>The Half Hitch</p> <p>www.animatedknots.com</p>	 <p>Round Turn and Two Half Hitches</p> <p>www.animatedknots.com</p>
 <p>Square Knot (Reef Knot)</p> <p>www.animatedknots.com</p>	 <p>Clove Hitch tied with the End</p> <p>www.animatedknots.com</p>	 <p>The Sheet Bend</p> <p>www.animatedknots.com</p>
 <p>The Figure 8 Knot</p> <p>www.animatedknots.com</p>	 <p>Bowline</p> <p>www.animatedknots.com</p>	 <p>Trucker's Hitch</p> <p>www.animatedknots.com</p>
 <p>Common Whipping</p> <p>www.animatedknots.com</p>	 <p>Square Lashing</p> <p>www.animatedknots.com</p>	 <p>Diagonal Lashing</p> <p>www.animatedknots.com</p>
 <p>Tripod Lashing</p> <p>www.animatedknots.com</p>	 <p>Shear Lashing</p> <p>www.animatedknots.com</p>	 <p>Figure 8 Bend</p> <p>www.animatedknots.com</p>
 <p>Water Knot</p> <p>www.animatedknots.com</p>	 <p>Double Fisherman's Bend</p> <p>www.animatedknots.com</p>	 <p>Prusik Knot</p> <p>www.animatedknots.com</p>