

## Outdoor Adventure Skills by Topic

# Ropes & Knots

 2	1.1 I can hang a drying/gear line with a <b>half hitch</b> or other knot.		 2	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	3.1 I can tie a <b>half hitch</b> , <b>clove hitch</b> and a <b>fisherman's knot</b> .	 3	 3	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	4.1 As part of a team, I have completed a Scoutcraft project using at least a <b>square lashing</b> to join two poles at right angles. 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> .	 4	 4	4.9 I can tie <b>eight knots</b> that are useful when <b>sailing</b> , <b>canoeing</b> or camping.
			 4	4.11 I can explain why my watercraft needs a <b>painter</b> (rope attached to the bow and/or stern) and can attach one...
 5	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		5.1 I can tie these knots: water (tape), <b>double fishermen's</b> , <b>prusik</b> , <b>clove hitch</b> and <b>bowline</b> . 5.2 I can <b>coil a climbing rope</b> using a butterfly and a mountaineer method. 5.7 I have constructed and climbed in a "Swiss seat" improvised climbing harness, with tubular or tape webbing. 5.11 I have set up a 3:1 (or greater) <b>rope pulley system</b> .
 6	6.1 I have built a usable Burma / Monkey bridge.	 6		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	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 Scouts 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.	 7		7.2 I have constructed and used a <b>highline</b> (also called Tyrolean Traverse or Aerial Runway). 7.5 I have used utility cord and a <b>friction knot/system</b> as protection on a rappel.
 8	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 4 metres of 3-strand cordage</b> from only <b>natural plant</b> products found outdoors.	 8		8.6 I have taught younger Scouts to tie these seven knots: <b>figure-8 follow-through knot</b> , <b>double fishermen's</b> , water knot, <b>bowline</b> , <b>Munter hitch</b> , <b>prusik</b> and <b>clove hitch</b> .
 9	9.1 I have <b>built</b> a large temporary pole and lashing " <b>gateway</b> " entrance (with <b>flag pole</b> ) for a jamboree or campout activity site.	 9		9.4 I have set up and used a Munter mule combination hitch to facilitate the rescue of beginners learning to rappel.

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.

[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>