

Achievement Course: Knots
Recommended Ages: 10-18 years of age
Approximate Completion Time Frame: 2-4 months



Blessed Mary, Undoer of Knots, pray for us!

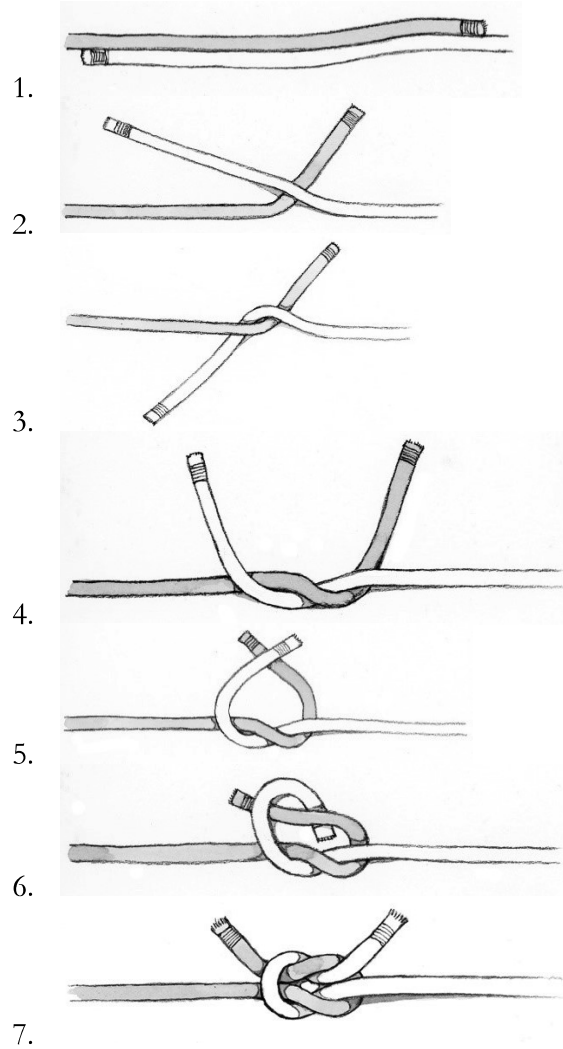
In the 2nd century the Bishop of Lyon, Saint Irenaeus, made the comparison of Eve and the Blessed Virgin Mary. He said, “the knot of Eve’s disobedience was loosed by the obedience of Mary. For what the virgin Eve had bound fast through unbelief, this did the Virgin Mary set free through faith.” (*Adversus haereses*, 3, 22) These knots are the many problems/sins that we face or bring upon ourselves during our lives. Pope Francis has a great devotion to Our Lady and encourages our devotion too.

Objective: To determine a proficient skill level in knot tying.

1. There are dozens of knots that might be learned and never used in day to day life, so we have decided to focus on learning some common knots and to put them to good use.

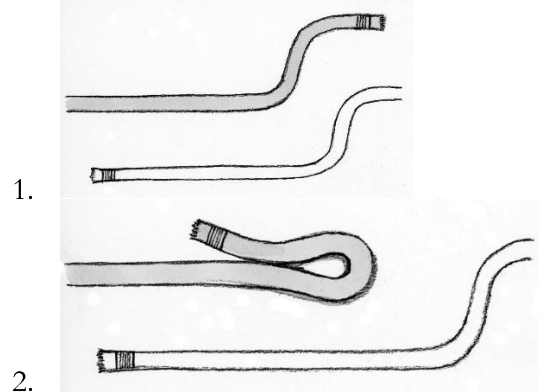
a. Square Knot

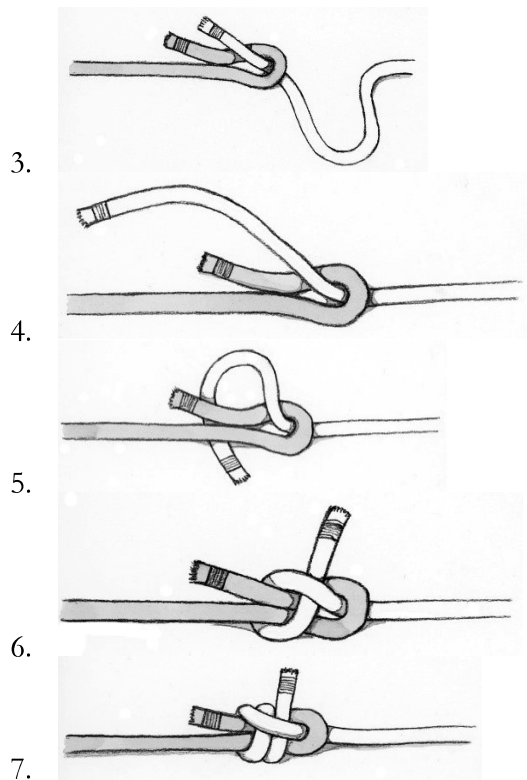
i. This knot is used primarily to secure two pieces of rope of the same diameter.



b. Sheet Bend

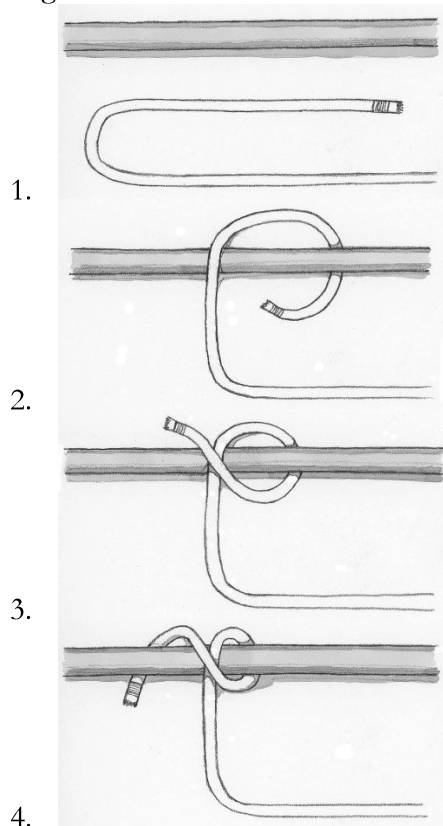
i. This knot is used to secure two pieces of rope of different diameter.

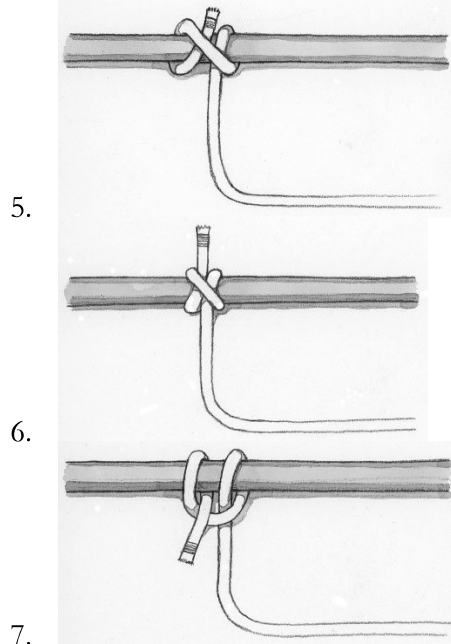




c. Clove Hitch

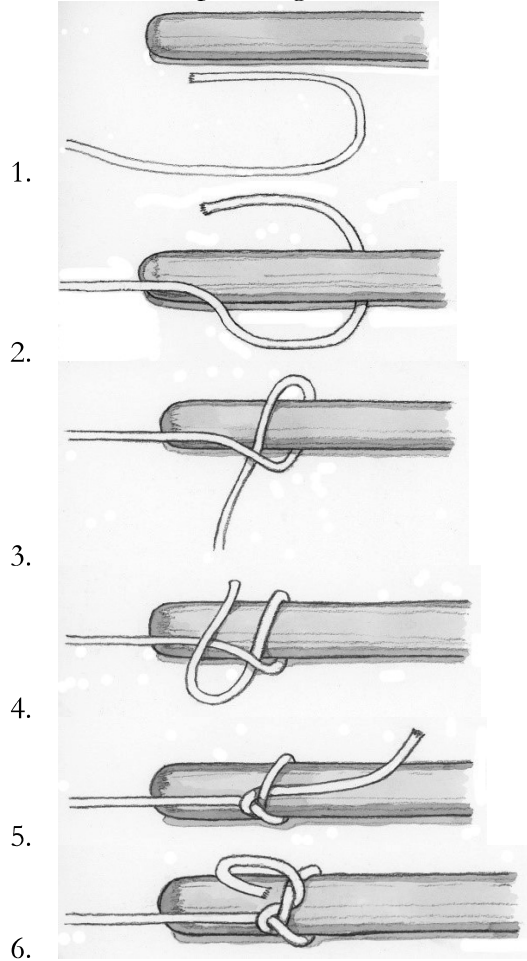
- i. Commonly used to begin or end a lashing or if you need a temporary binding.

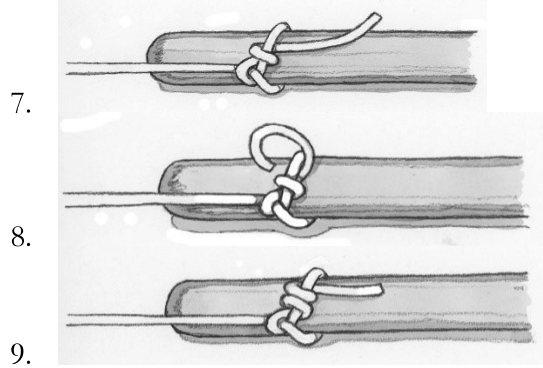




d. Timber Hitch

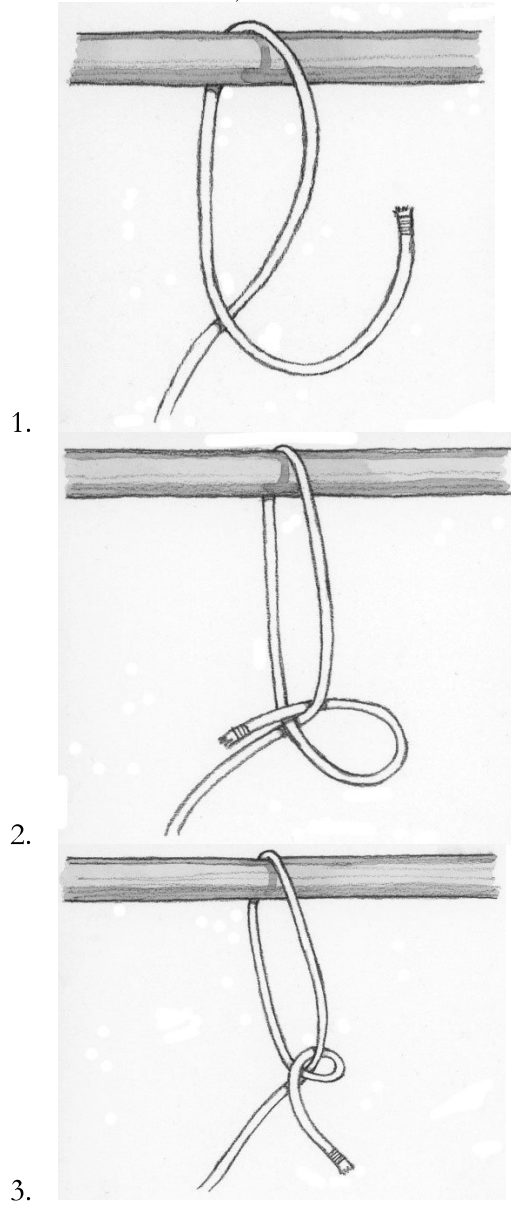
- i. Used to attach a rope to log or limb for hauling or lowering.

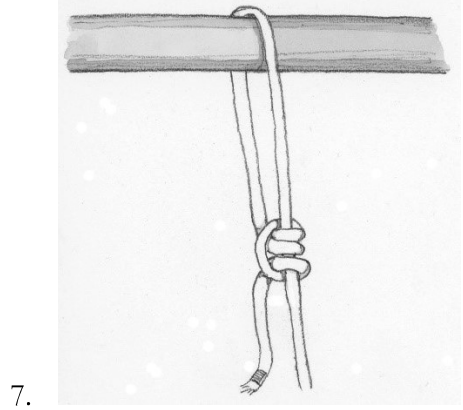
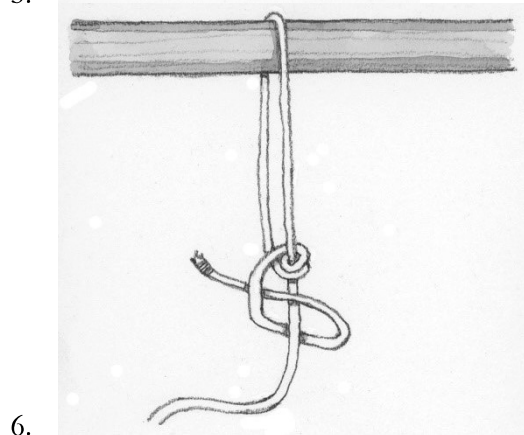
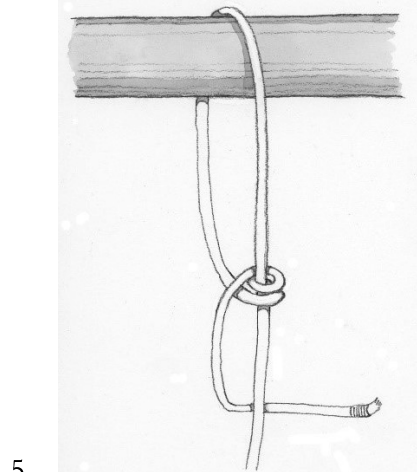
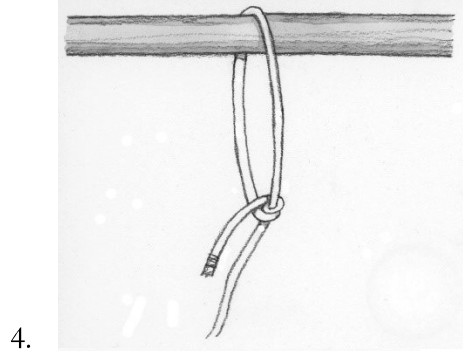




e. Taught Line Hitch

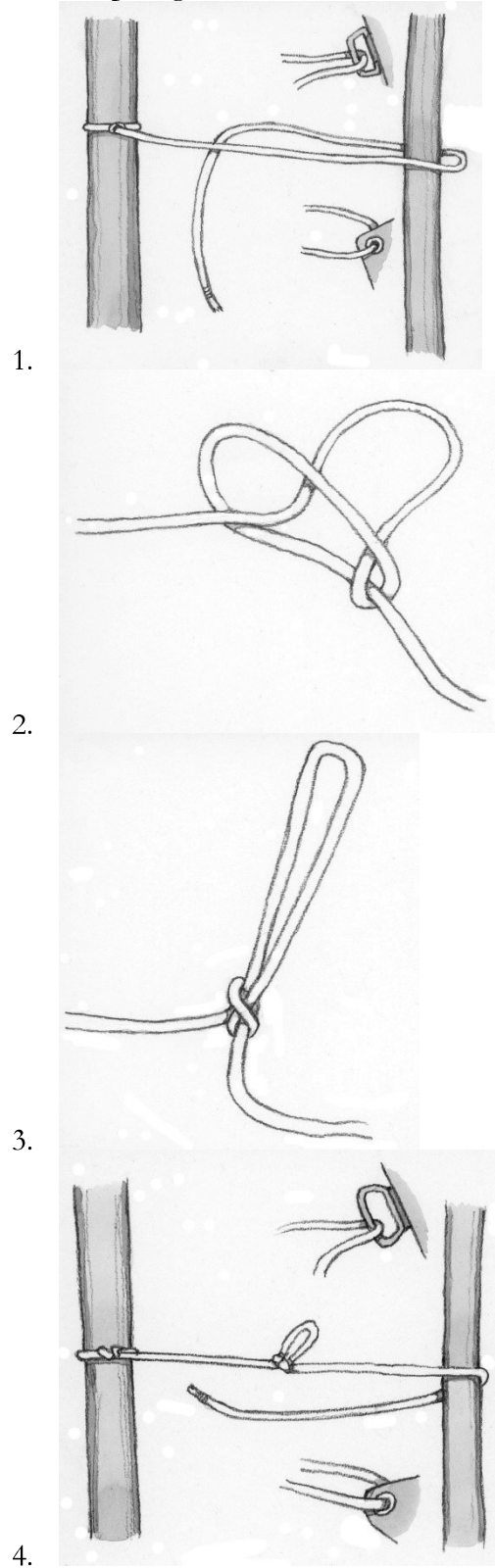
- i. Used to secure and adjust tension on a tent, tarp, hammock, etc.

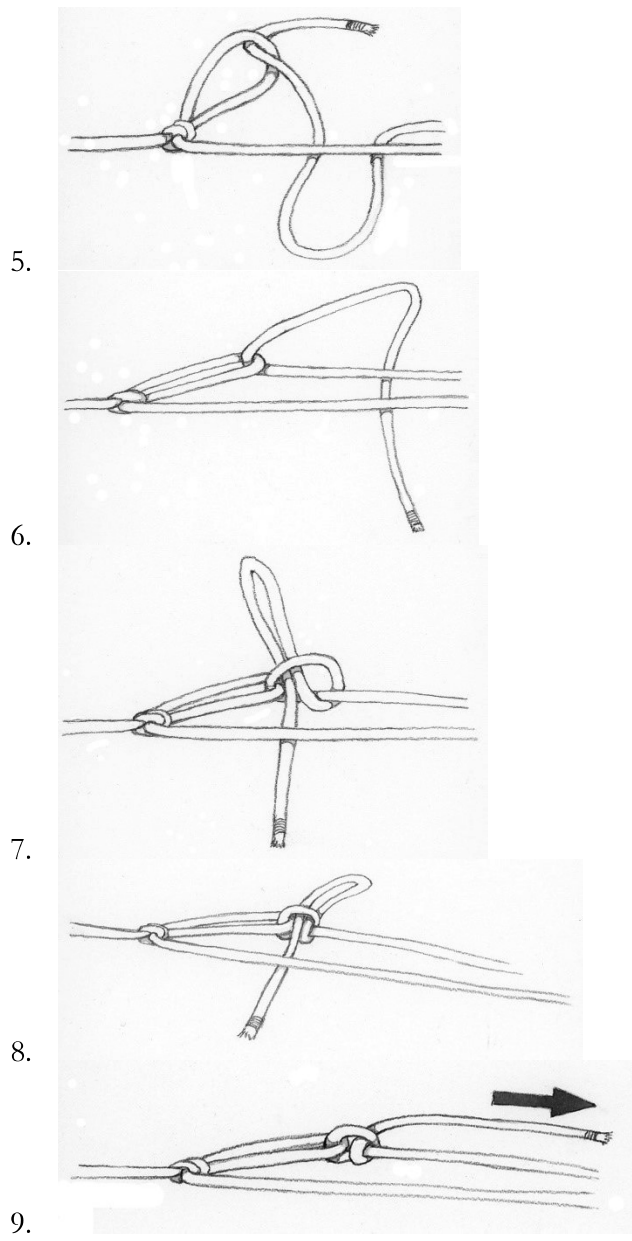




f. Trucker's Hitch

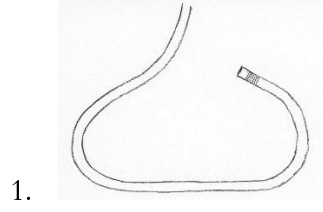
i. Used to strap cargo down.

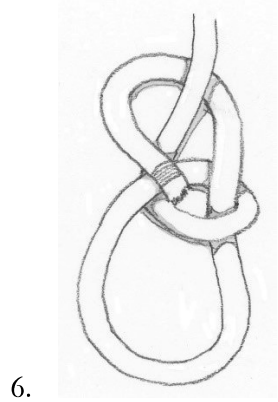
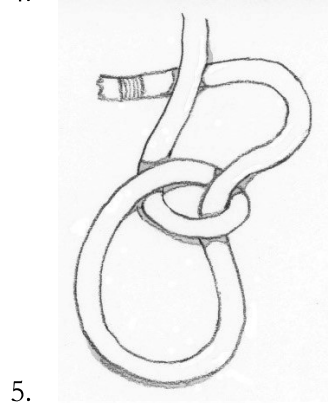
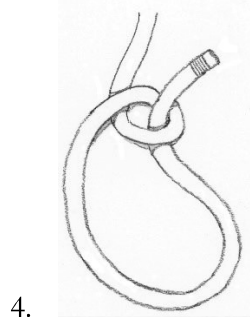
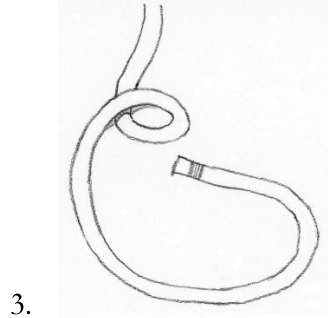
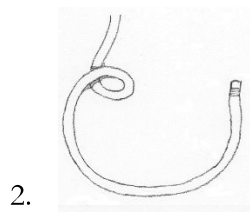


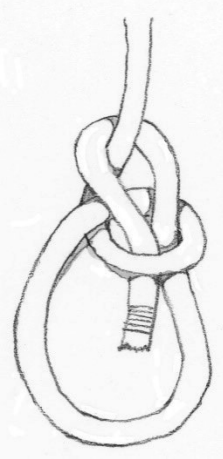


g. Bowline

- i. Good for creating a fixed loop in the end of the rope. Used in boating and rescue work.



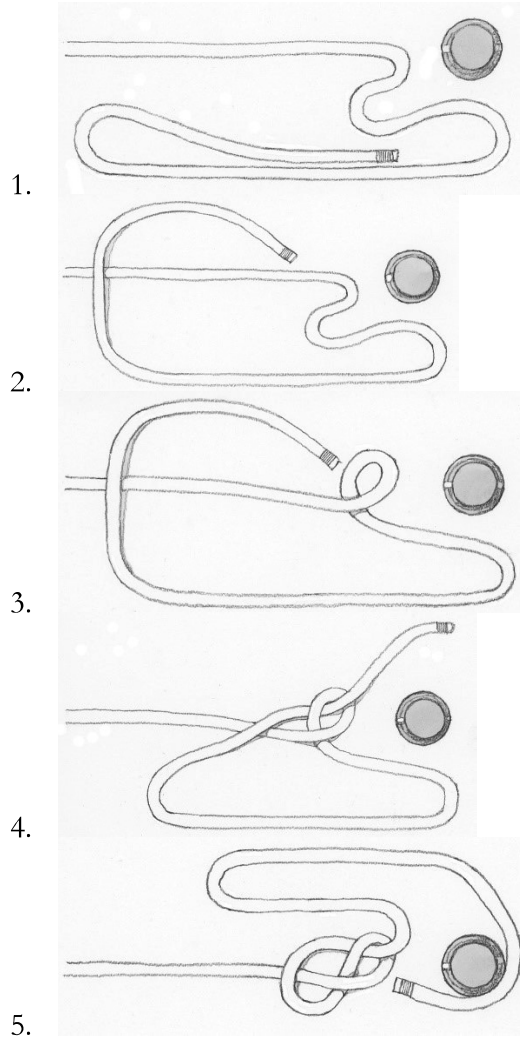


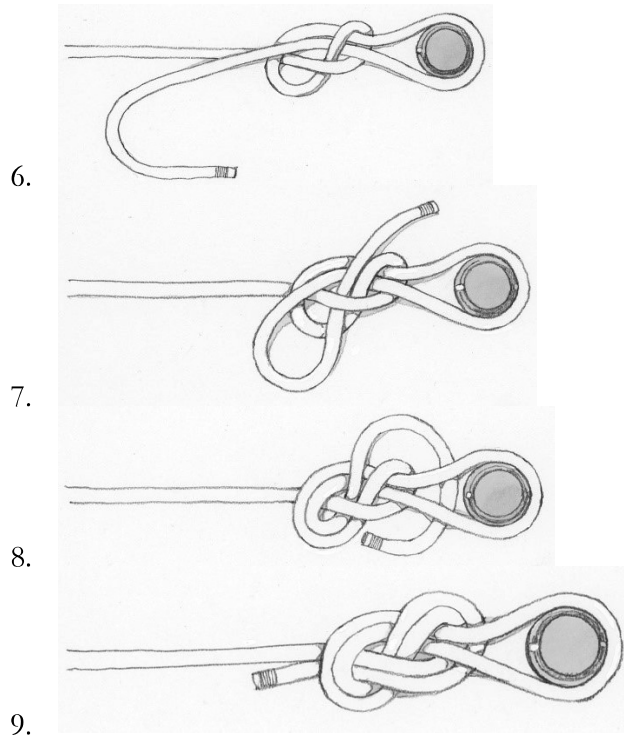


7.

h. Figure 8 Follow Through

- i. Good for creating a fixed loop in the end of a rope. Used in climbing and rescue work.





6.

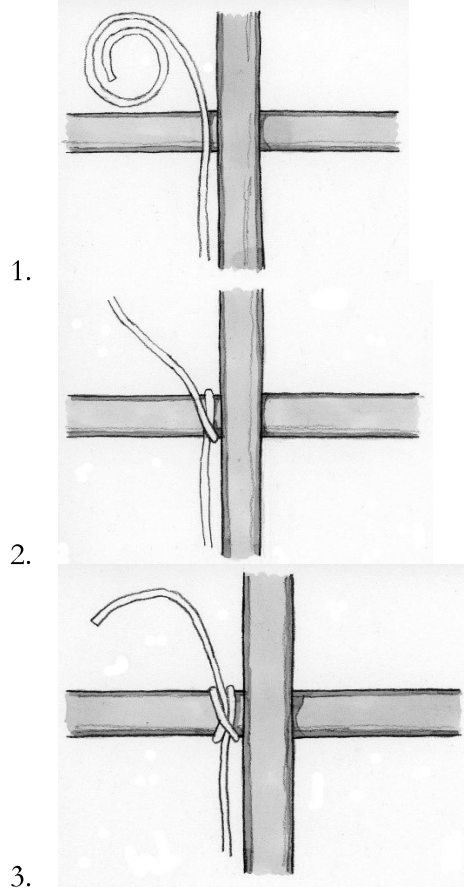
7.

8.

9.

i. Square Lashing

i. Used to bind two poles together at right angles.

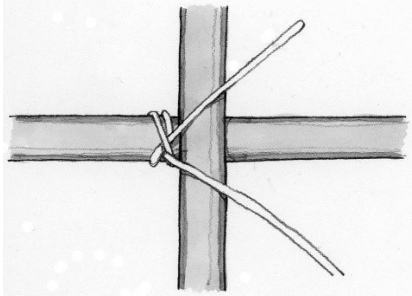


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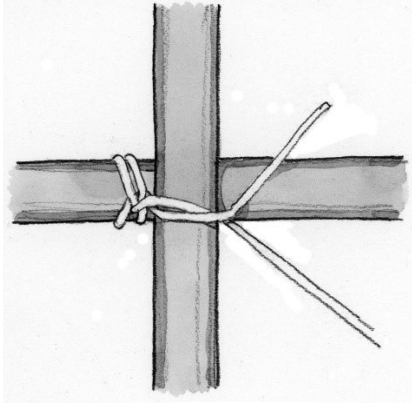
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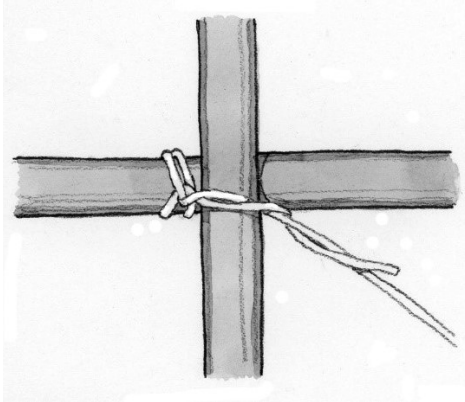
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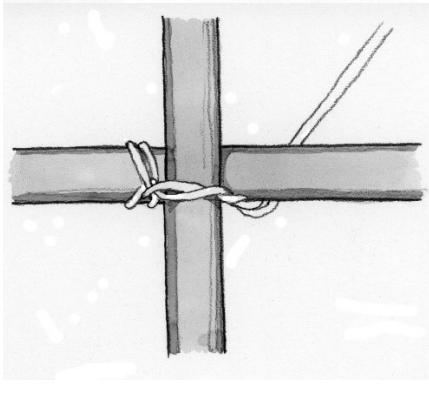
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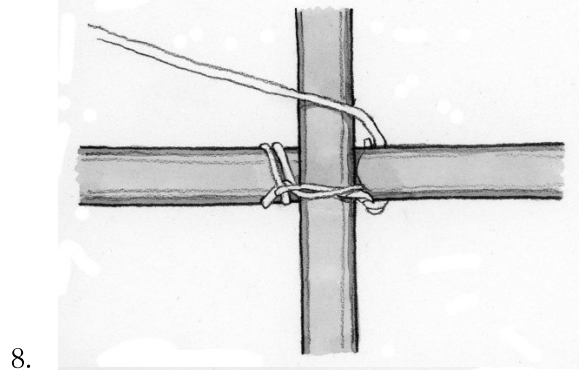


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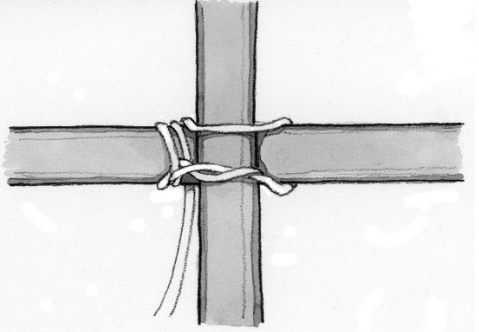


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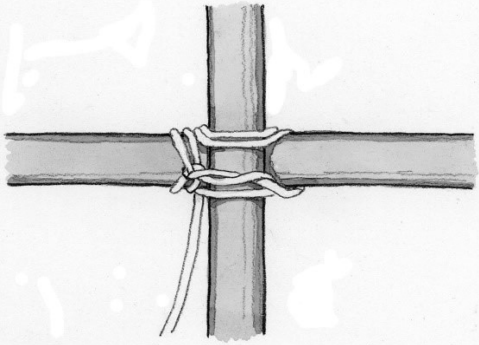




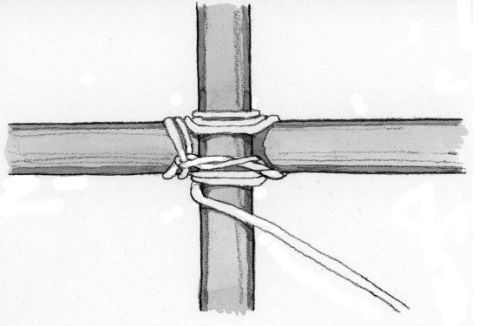
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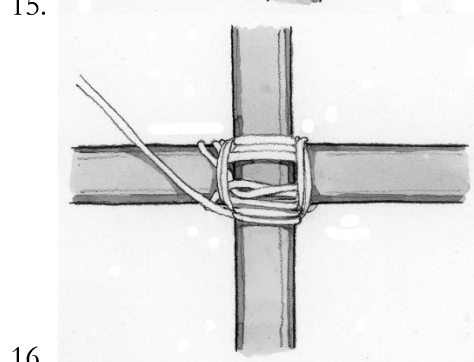
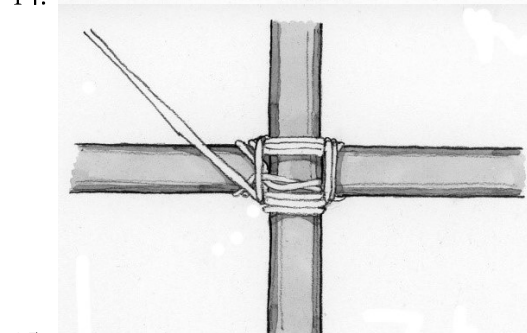
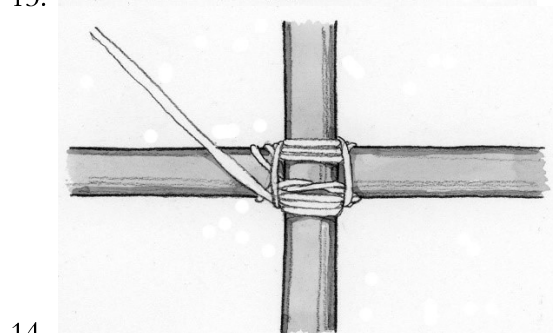
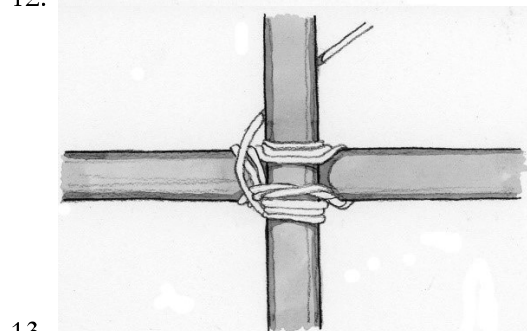
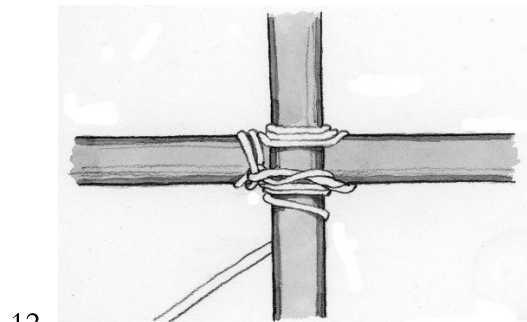
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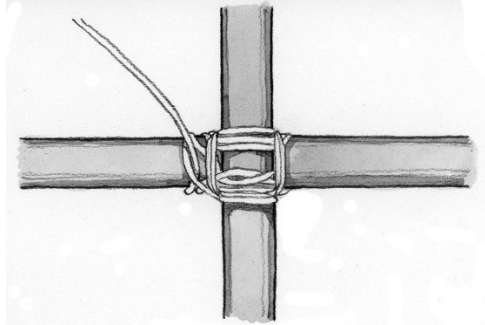


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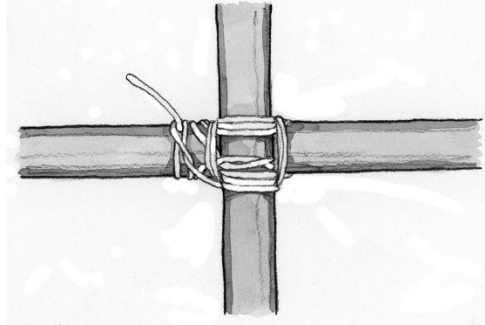


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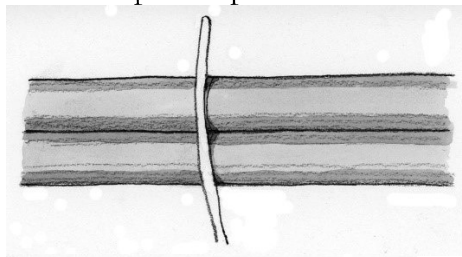
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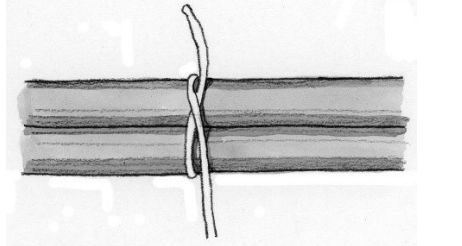
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j. Round Lashing

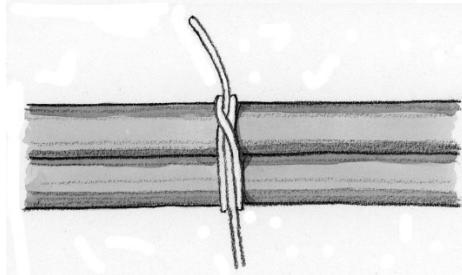
i. Used to bind two parallel poles.



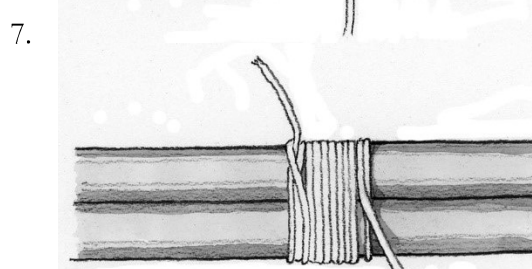
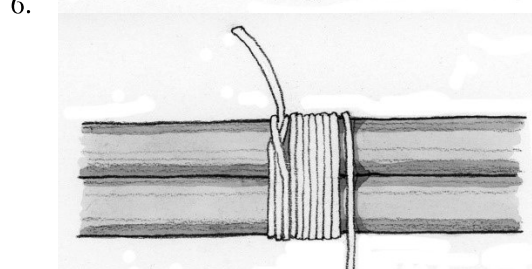
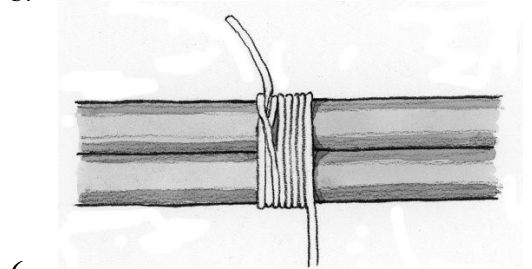
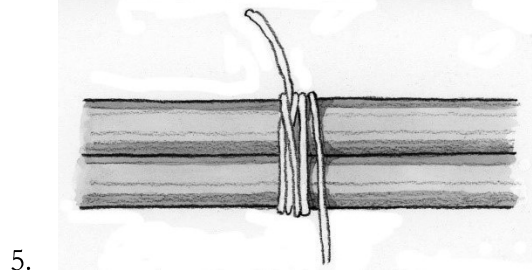
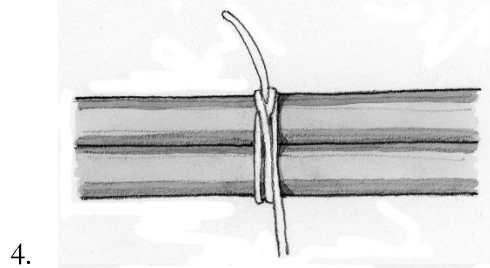
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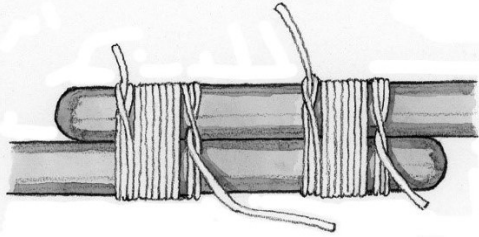


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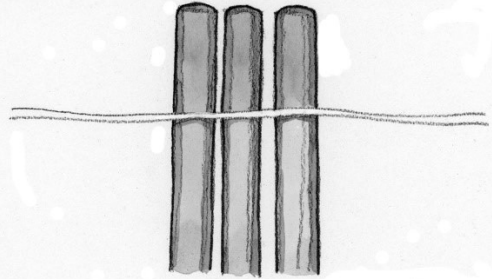


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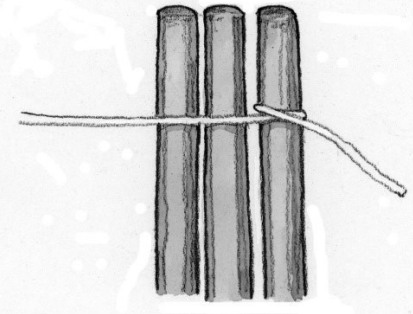




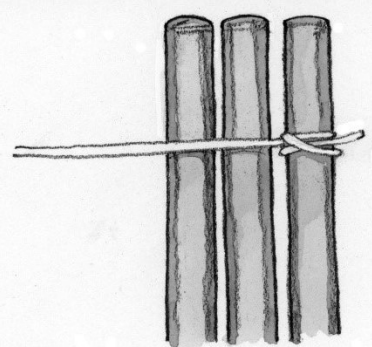
- 10.
- k. Tripod Lashing
 - i. Used to bind three poles together to form a tri-pod.



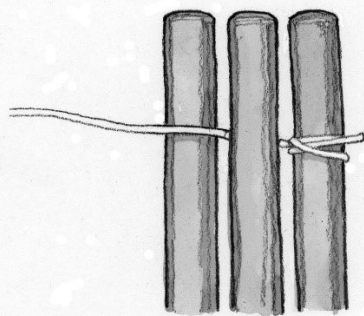
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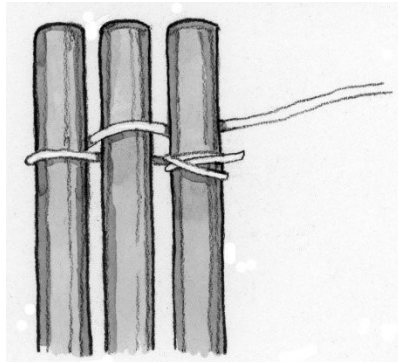


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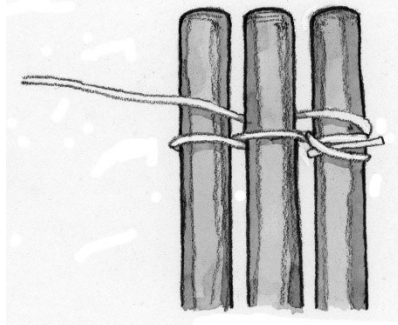


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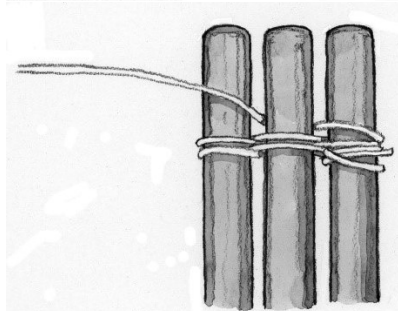
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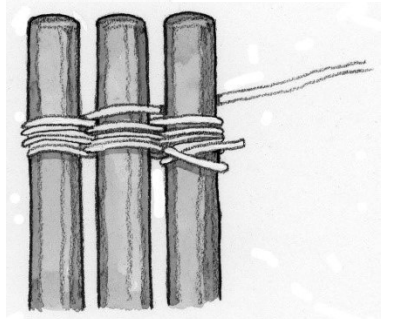
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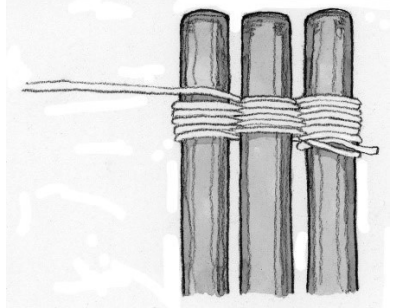
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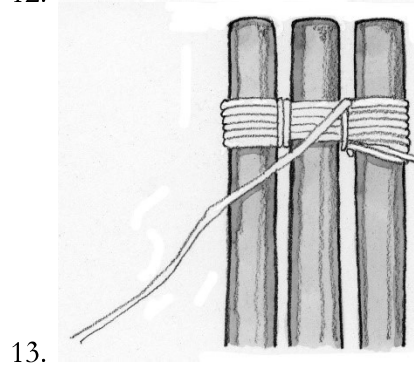
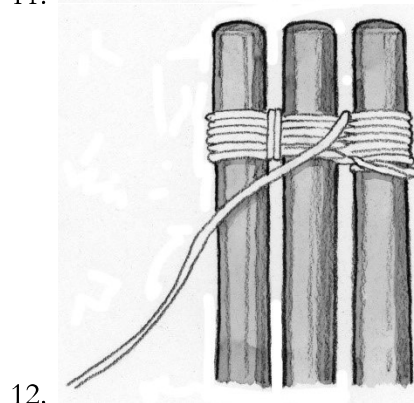
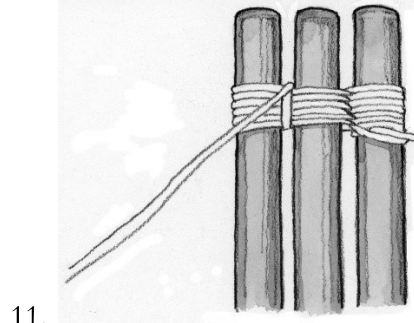
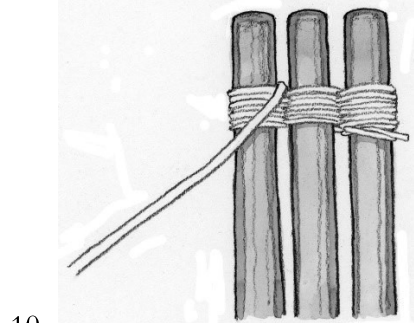


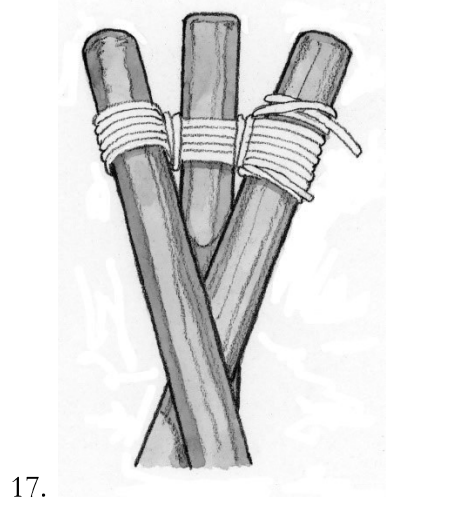
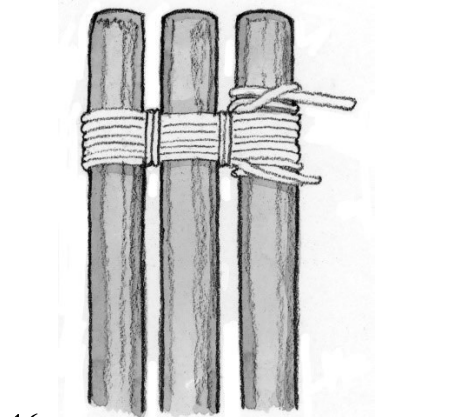
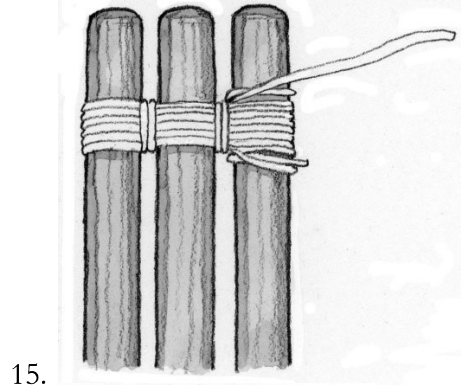
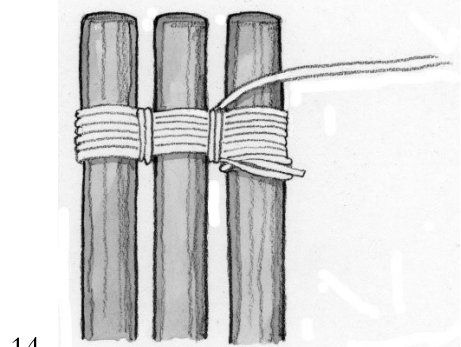
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9.







2. Requirements

- a. Master all knots and lashings to build a useful apparatus for a troop campout or activity.
 - i. Consult with the troop leadership on what the troop needs.
- b. Successfully instruct a Junior Cadet in how to tie 5 knots or lashings from the above list.
- c. Demonstrate to your father/male guardian or troop leadership how to tie all of the knots and lashings.
- d. Identify the reason(s) to use each specific knot mastered above.