

Puzzle - Yoke, 2-washers

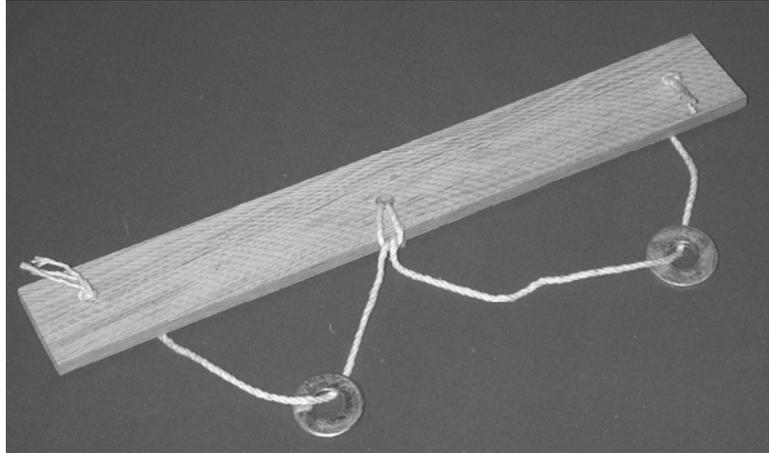
This puzzle is easy to make but pretty difficult to solve. Be sure to make copies of the solution, because the kids will really get frustrated.

Materials needed:

1. 10" - 1/4" x 1 1/4" lattice wood (pine/spruce).
2. 2 - 3/8" washers.
3. 20" of heavy cord.

Before the meeting:

1. Cut lattice to 10".
2. Drill 1/4" hole at 5" from the left end.
3. Drill 3/64" holes at 1" from each end (small enough so a stopper knot in your cord will not be pulled through the hole).
4. Cut strings to about 20" lengths (burn ends if needed to prevent unraveling).



Assembly at the meeting:

1. Double cord in half.
2. Insert loop end through center hole and run free ends through the loop (see figure).
3. Put washer on free cord, then thread cord through small hole near one end of the board and secure with a stopper knot (see figure).
4. Put washer on other free cord, then thread cord through small hole near one end of the board and secure with a stopper knot (see figure).

Object: Move the 2 washers so they are hanging from the same loop.

Solution:

1. Turn the puzzle so it is lying as shown in the figure. Grasp the little loop that is just below the center hole. Pull it down about an inch.
2. Slide the left washer up the string and through the loop.
3. Leave washer inside the loop and pull the loop from the back all the way through the center hole (the washer will be in front of the stick).
4. Slide the washer following the string to the other side of the stick and through the loop at the back of the center of the hole. Continue to slide the washer following the string to the front of the stick. Pull the loop again through the center hole. Put the washer through the center loop in the front. Straighten the string and both washers are now in the same loop!
5. To get the washer back to its original position, follow the above instructions and move the washer right to left.