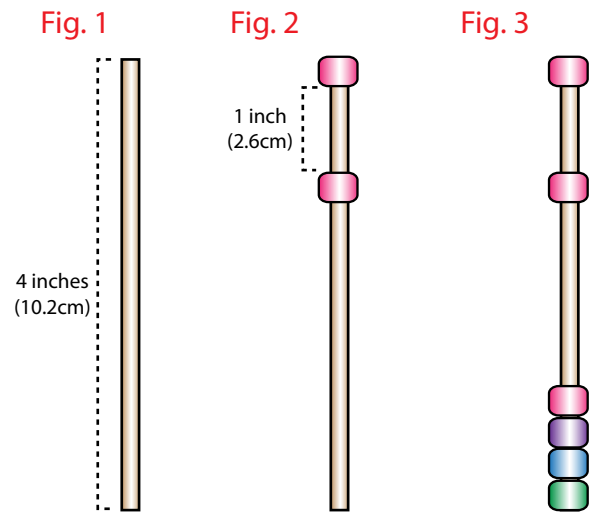


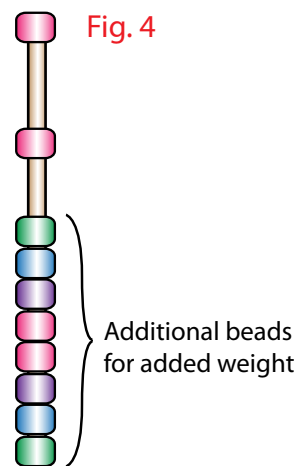
# Making bobbins

Cut 1/8 inch wooden dowels into 4 inch lengths (Fig 1). Glue a plastic pony bead at one end. Slide and glue another bead 1 inch down from that. This is the area the thread is loaded (Fig 2). On the other end of the dowel, glue 4 pony beads to add weight (Fig 3). Make as many as you need.



## Alternatives for bobbins

If you are needing more weight to the bobbins, you can add more beads to the lower shank of the dowel to give it more substance. (Fig 4) This weight is good if you are using larger thread size or it is more your preference to have a better grip on the bobbins.



## Spangling bobbins

Another way to add weight to the bobbins is to spangle. When making the bobbin, allow one quarter of an inch of the base of the dowel to peek below the bottom beads. Drill a tiny hole for the wire to pass through (Fig 5). With a fine gauge wire (ex. 28-30 wt), string an even amount of glass beads (Fig 6). This is personal preference on what type. Just so it has good weight. Be creative! String one end of the wire through the hole of the bobbin. String the other end through the hole going the opposite direction (Fig 7). Pull on both tail ends of the wire to tighten. Wrap the wire end tightly to the small space left near the bobbin base at the hole. Tuck the remaining tail end through the hole of the first bead. Clip excess. (Fig 8)

