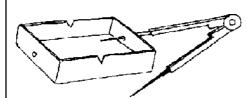
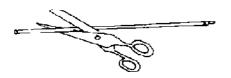
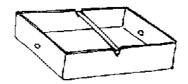
## **GO - NO GO MATCHBOX**



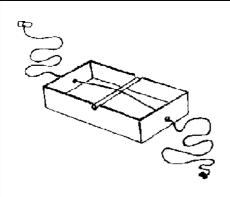
1. Take a cardboard matchbox drawer and cut two V notches in the middle of its two long edges. Make a clear hole in the centre of both ends of the drawer.



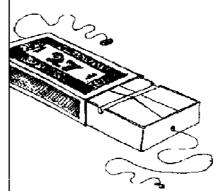
2. Cut an old ball pen refill equal in size to the width of the drawer.



3. Fix the refill in the V notches of the drawer with a dab of glue.



4. Weave a 70-cm. long string through the two holes of the drawer. The thread should go over the refill. Tie two pieces of folded paper at the two ends for a good grip



5. Cover the drawer with the outer shell of the matchbox.



6. Hold the two ends of the string up-right. If the string is kept loose then the matchbox slides down. But if you tighten the string it rubs against the refill and brakes the matchbox to a stop. This obedient match-box is based on the principle of friction and gravity.