




## Game Description

A game in which players throw a ball into a box that has cylindrical sections which indicate a prize.

## Suggested Materials

- cardboard box
- cardboard tubes
- paper
- table tennis balls/light foam balls/pompoms
- paper cups


## Suggested Procedure

1. Determine what type of ball will be used in the game.
2. Create cylindrical sections that are just slightly larger in diameter than the balls.
3. Fill a box with the cylinders.
4. Assign prize amounts to the cylinders, ensuring that they meet the game requirements.
5. Design an easy way to remove the balls and reset the game between players.
6. Create an enticing poster for the game, displaying its name and how to play.

## Game Requirements

The probability of winning each prize level must fit within the following probability descriptions.


| Prize Level | Prize | Chance in Words | Chance in Fractions |
| :---: | :---: | :---: | :---: |
| Top Prize | 3 tokens | Very Unlikely | $1 / 10$ |
| Medium Prize | 2 tokens | Possible | $3 / 10$ |
| Small Prize | 1 token | Even chance | $1 / 2$ |
| No Prize | 0 tokens | Very Unlikely | $1 / 10$ |



