

## Newton's Laws Marble Game

**Players** – up to 4 per board

**Materials** – 10 small marbles per player

1 large marble to be used as a shooter (a.k.a. toley)

1 game "board"

**Game set up:**

1. Marbles will be set up on the game board in an X formation across the center of the board.
2. Players will position themselves around the outside of the game board.

**Objective of the game:**

The toley is used to shoot at the target marbles to cause them to be hit outside of the circle of the game board. The player who shot the toley captures all marbles shot out of the circle. The player who has the most captured marbles at the end of the game wins.

**Game play:**

1. Players take turns to shoot at the marbles in the ring. The toley can be placed in the crook of the index finger and the thumb then the thumb is used to flick it in the appropriate direction. Each turn starts with the toley shot from the edge of the ring inwards. Each marble that is knocked out of the ring is added to the capture pile of that player.
2. If a shot fails to knock a marble outside the ring, and the player's toley finishes inside the ring then the toley remains within the ring until that player's turn comes round again. This is to be avoided, since it renders the toley vulnerable to attack by opposing players. If a toley is knocked out of the ring by an opposing player, it is "killed". The player who owned the toley must give all their captured marbles to the shooter, but may continue to play the game. If the toley is not knocked out of the circle, the owner removes it from the game circle upon his next turn and continues play.
3. If a shot knocks a marble outside the ring, but the toley remains in the ring the player may remove the toley from the ring.
4. The game ends when the last marble is knocked out of the ring. At that point the player that collected the most marbles wins.

**Special Note:**

Due to the fact that Mrs. O'B only owns 10 toleys, when a toley must remain in play a special marker marble will be used to replace the toley on the game board so that the next player may use the toley to shoot.