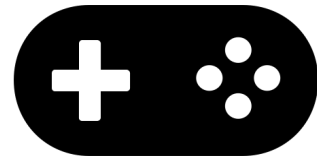


8 Ball Pool SOLUTION



Spring 2018

The text represents a pool table, with the 6 capital P's along the edges representing the pockets. The mentions of numbers and the word "cue" represent pool balls and the white cue ball.

Pool is wonderful game that is known by **two** names. **P**ool or pocket billiards. Today, we will examine a single of the **six** variations that exist. This version of pool, the most common, features exactly **fifteen** numbered balls that must be hit into a pocket that lines the side of the table. Players are equipped with a pool stick and chalk that they can use to improve traction on the ball. The balls are divided into sets, a set of stripes and a set of solid balls. You are playing solids and it is your turn. Your aim is to pot all of the solid balls on the table. You start by striking the **cue** ball (the white ball) with the pool stick, with the goal of having it knock into a solid colored ball and push it into a pocket. By striking all the solid balls in, you win. Actually, not exactly that. **P**ool's win condition is more complicated than that. **P**ool players must pocket all their balls first, and then the **eight** ball in order to win. Pool is a worldwide sport, with lots of players coming from the United States or Europe. Mr. Stefano Pelinga, a renowned artistic pool player, for example, hails from Rome. He is known for his short and logical shots, pocketing balls, and soft strokes. He has over **ten** wins under his belt from his **twelve** worldwide tournaments. Mr. **P** is a true legend in the pool community and he hopes that he can inspire future pool legends like yourself. It is in your hands now to demonstrate the things you have learned from Mr. **P**. These set of things, the **three** of them, will be the **one** thing you need to learn. Play time buds! **P**ool table's ready. You're solids, try to play like Mr. **P**.

As mentioned in the text, you are solids (you are trying to pot the solid balls) and your goal is to clear the table. In 8 ball pool, solid balls are numbered 1-7 and striped balls are numbered 9-15. The rules are all your balls must be pocketed, and on each shot, the first ball you make contact with must be your own. Furthermore, the eight ball must be potted last. From the starting point, the only reasonable order of pocketing the balls is:

| Ball | Position in Shot Order | Letter |
|-------|------------------------|--------|
| Six | 1 | S |
| Two | 2 | W |
| One | 3 | E |
| Three | 4 | E |
| Eight | 5 | T |

Indexing into the ball number by its position in the shot order gives the answer SWEET.