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| S.No | The Problem | The Level | The Solution |
| 1 | A bartender has a three-pint glass and a five-pint glass. A customer walks in and orders four pints of beer. Without a measuring cup but with an unlimited supply of beer how does he get a single pint in either glass? | 1 |  |
| 2 | Using just a five-gallon bucket and a three-gallon bucket, can you put four gallons of water in the five-gallon bucket? (Assume that you have an unlimited supply of water and that there are no measurement markings of any kind on the buckets.) | 1 |  |
| 3 | Tom is from the U.S. Census Bureau and greets Mary at her door. They have the following conversation: Tom: I need to know how old your three kids are. Mary: The product of their ages is 36. Tom: I still don't know their ages. Mary: The sum of their ages is the same as my house number. Tom: I still don't know their ages. Mary: The younger two are twins. Tom: Now I know their ages! Thanks! How old are Mary's kids and what is Mary's house number? | 2 |  |
| 4 | A new school has exactly 1,000 lockers and exactly 1,000 students. On the first day of school, the students meet outside the building and agree on the following plan: the first student will enter the school and open all the lockers. The second student will then enter the school and close every locker with an even number (2, 4, 6, a, etc.). The third student will then reverse every third locker (3, 6, 9, 12, etc.). That is if the locker is closed, he or she will open it; if it is open, he or she will close it. The fourth student will then reverse every fourth locker, and so on until all 1000 students in turn have entered the building and reversed the proper lockers. Which lockers will finally remain open? | 2 |  |
| 5 | Hangman | 3 |  |
| 6 | Remember Flag | 3 |  |
| 7 | Magic Square | 3 |  |
| 8 | Form Order | 1 |  |