

Schwitzer Times

Answers to 2022 Puzzles

Puzzles that run rings round you. The clue was in the title, the score being the number of the ring road around the city (the outermost ring road if there's more than one). So the answer was **25**, for London's M25. And yes, Budapest really does have an M0!



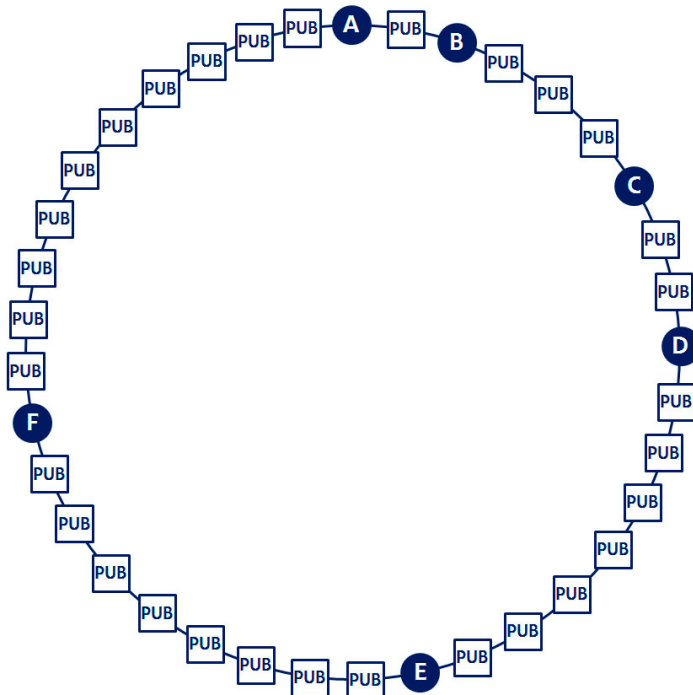
The first person to solve it was Yasmin, here is clip of how she solved it.

<http://www.schw.it/content/winner2022puzzle1.mp4>

Millennials and Boomers. There are 31 pubs on Boundary Street, and **the millennials are right** (this time!!). I'm sure you worked out there must be **6 millennials** so as to make the number of possible walks between their different houses **$6 \times 5 = 30$** . There is more than one way their houses can be situated on Boundary Street, below are two possible solutions. If the six friends are Alfie, Bella, Charlie, Deidre, Eddie and Fiona, then using letters A to F to identify them, the tables show the number of pubs passed on the walk from (row friend) to (column friend), demonstrating that all the numbers from 1 to 30 are covered, exactly once. The circular walk of 31 pubs on New Year's Eve can of course start from any house.

Solution A. Pubs between each millennial and the next: **1, 3, 2, 7, 8, 10**

| | A | B | C | D | E | F |
|---|-----------|----------|----------|----------|----------|----------|
| A | | 1 | 4 | 6 | 13 | 21 |
| B | 30 | | 3 | 5 | 12 | 20 |
| C | 27 | 28 | | 2 | 9 | 17 |
| D | 25 | 26 | 29 | | 7 | 15 |
| E | 18 | 19 | 22 | 24 | | 8 |
| F | 10 | 11 | 14 | 16 | 23 | |

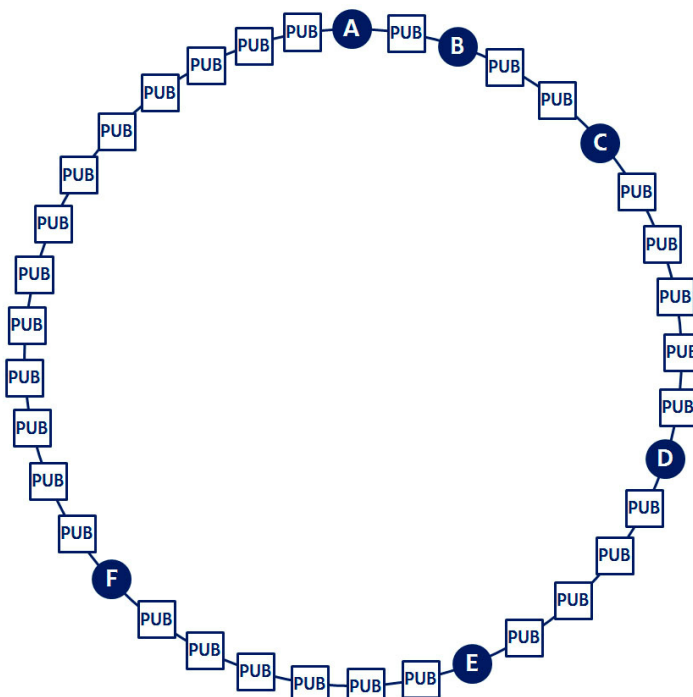


Examples

walk from A to C passes $1+3 = 4$ pubs
 walk from B to F passes $3+2+7+8 = 20$ pubs
 walk from F to B passes $10+1 = 11$ pubs

Solution B. Pubs between each millennial and the next: **1, 2, 5, 4, 6, 13**

| | A | B | C | D | E | F |
|---|-----------|----------|----------|----------|----------|----------|
| A | | 1 | 3 | 8 | 12 | 18 |
| B | 30 | | 2 | 7 | 11 | 17 |
| C | 28 | 29 | | 5 | 9 | 15 |
| D | 23 | 24 | 26 | | 4 | 10 |
| E | 19 | 20 | 22 | 27 | | 6 |
| F | 13 | 14 | 16 | 21 | 25 | |



If you have a solution different from either of the above, we would particularly like to see it!