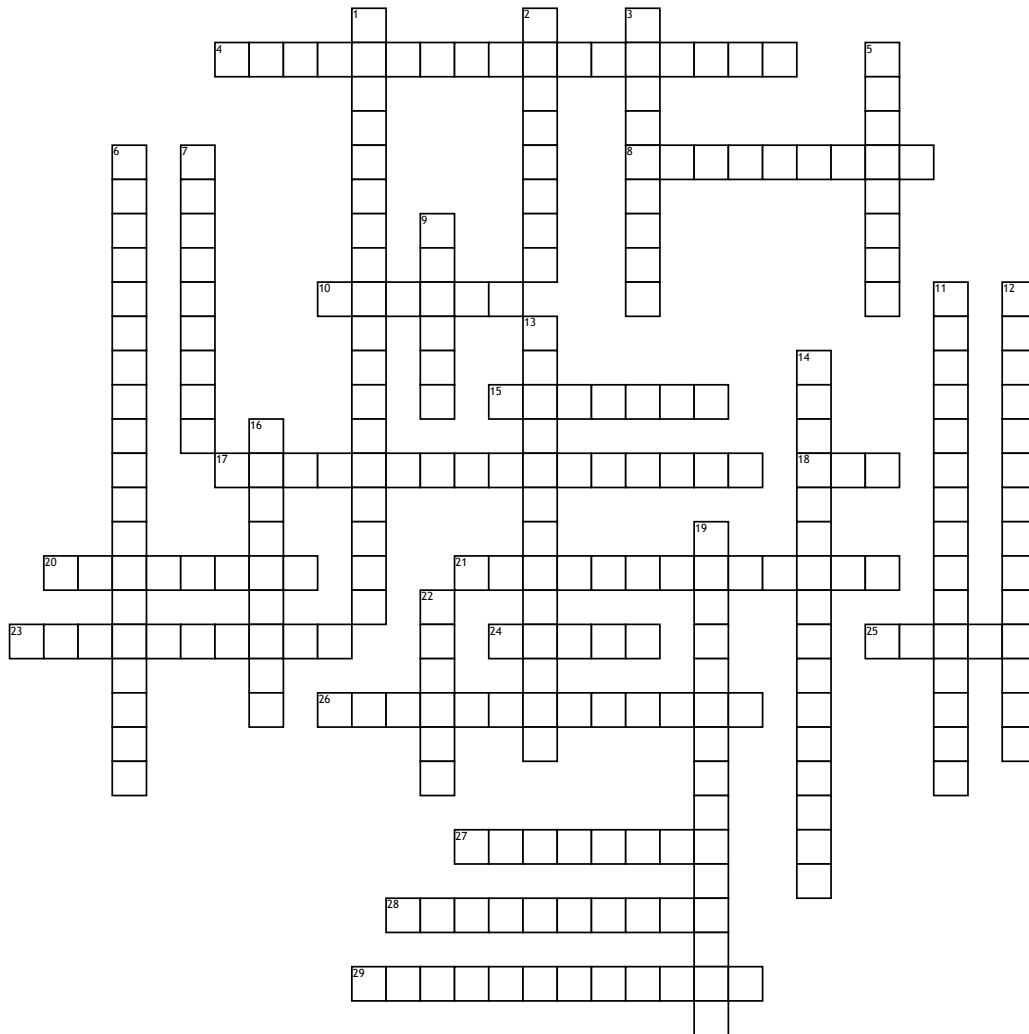


The Math crossword Puzzle



Across

4. Single winner voting system
 8. Candidate polls more votes any other, doesn't get majority
 10. Any real # or any quantity that can be measured using a single real #
 15. Probability of changing an outcome of a vote
 17. The voter ranks the choices in order of preference
 18. How the size of a Matrix is defined
 20. The preference over the other candidate
 21. Used in single-seat elections with more than 2 candidates
 23. The # of rows by the # of Columns

24. Has no say in the outcome
 25. The minimum # of votes required
 26. The reciprocal of a #
 27. Participants have varying #'s of votes
 28. Voters ranks options or candidates in order of preference
 29. disregarding lesser choice candidates

Down

1. Organize matching ballots
 2. Difficulty passing laws to satisfy others needs
 3. power or right vested in one branch of Gov.
 5. Weight is equal to or greater than the quota

6. person who would win a 2 candidate election against other candidates
 7. System of proportional representation
 9. it also takes in part on how the size of a Matrix is defined
 11. different type of voting ways
 12. Leaving a coalition and changing the end effect of a vote
 13. Measure the powers of players in a voting game
 14. Addition, subtraction, Multiplication
 16. A new matrix whose rows are the columns of the original
 19. Preferences cannot be determined
 22. The rectangular array of numbers

Word Bank

Preference ballot
 Instant Runoff
 Banzhaf
 Dummy
 Shapely-Shubik
 Borda Count

Scalar
 Dictator
 Arrow's Condition
 Row
 Coalition
 Linear ballot

Gridlock
 Critical Player
 Weighted
 Condorcet's Criterion
 Majority criterion
 Dimensions

Veto Power
 pairwise
 Matrix operations
 Matrix inverse
 Preference schedule
 Quota

Matrix
 strategic voting
 Transpose
 Plurality
 Column