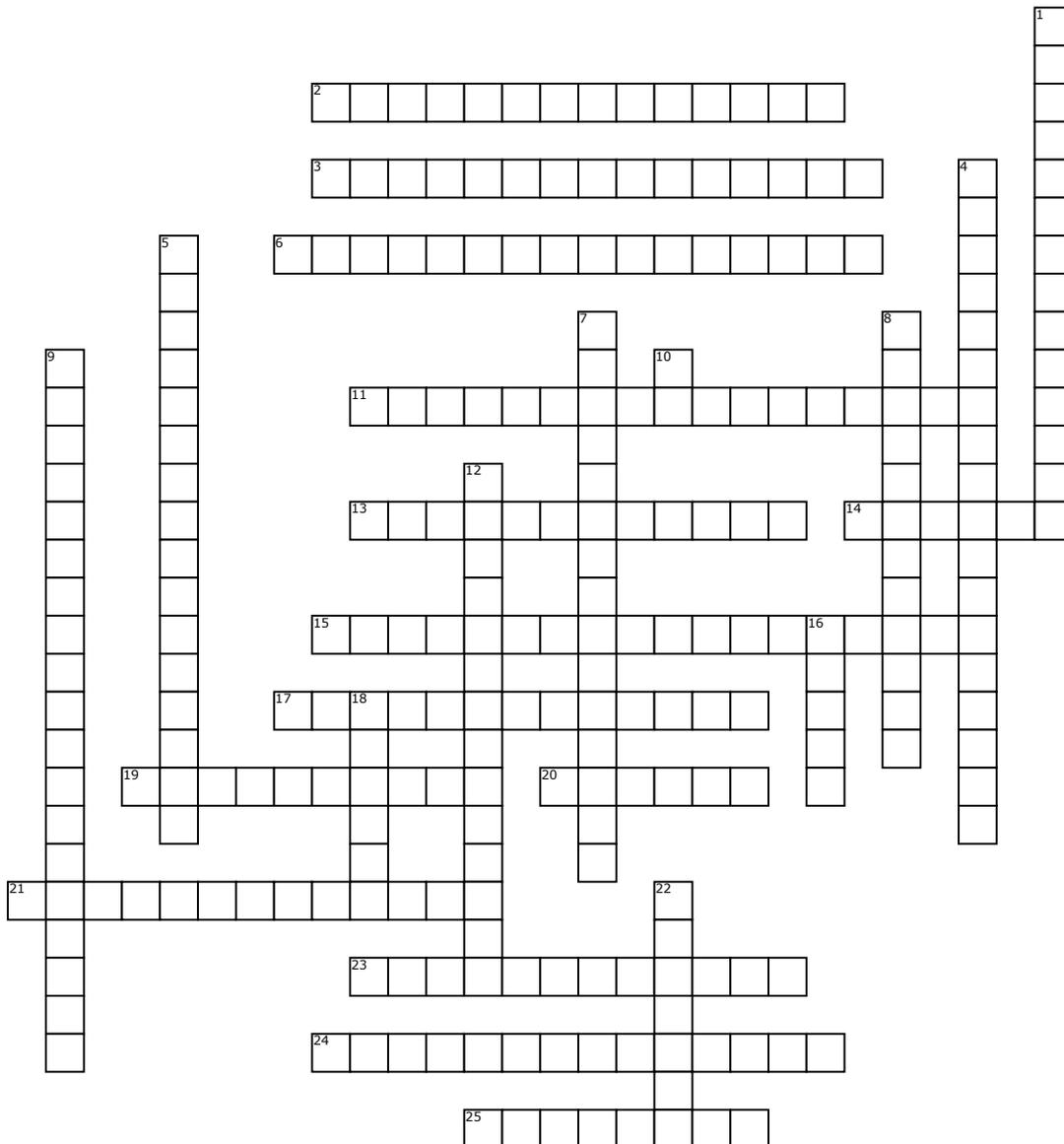


# PI Day's Crossword Puzzle



**Across**

- 2. An angle whose vertex is on a circle and whose sides contain chords of the circle.
- 3. Point where the tangent intersects the circle.
- 6. A polygon when all its vertices lie on a circle.
- 11. Coplanar circles that have a common center.
- 13. Two arcs of the same circle that intersect at exactly one point.
- 14. Segment whose endpoints are the center and any point on a circle.
- 15. When two chords intersect in the interior of a circle and each chord is divide in segments.
- 17. Segment that contains a chord of a circle and has exactly one endpoint on the circle.
- 19. It is an arc with endpoints that are the endpoints of a diameter.

- 20. line that intersects a circle in two points
  - 21. It is a closed curve or circular object is the linear distance around its edge.
  - 23. An angle whose vertex is the center of the circle.
  - 24. An arc that lies between two lines, rays, or segments.
  - 25. Chord that contains the center of the circle.
- Down**
- 1. Coplanar circles that intersect in one point.
  - 4. Angle whose sides are tangent to a circle.
  - 5. Real number that can't be expressed as a ratio of integers as a fraction.
  - 7. The part of a secant segment that is outside the circle.

- 8. Mathematician who used Pi symbol for first time to represent the platonic concept.
- 9. The circle that contains the vertices.
- 10. A mathematical constant commonly approximated as 3.14159.
- 12. Segment that is tangent to a circle at an endpoint.
- 16. Segment whose endpoints are on a circle.
- 18. Set of all points in a plane that are equidistant from a point.
- 22. line in the plane of a circle that intersect the circle in exactly one point.