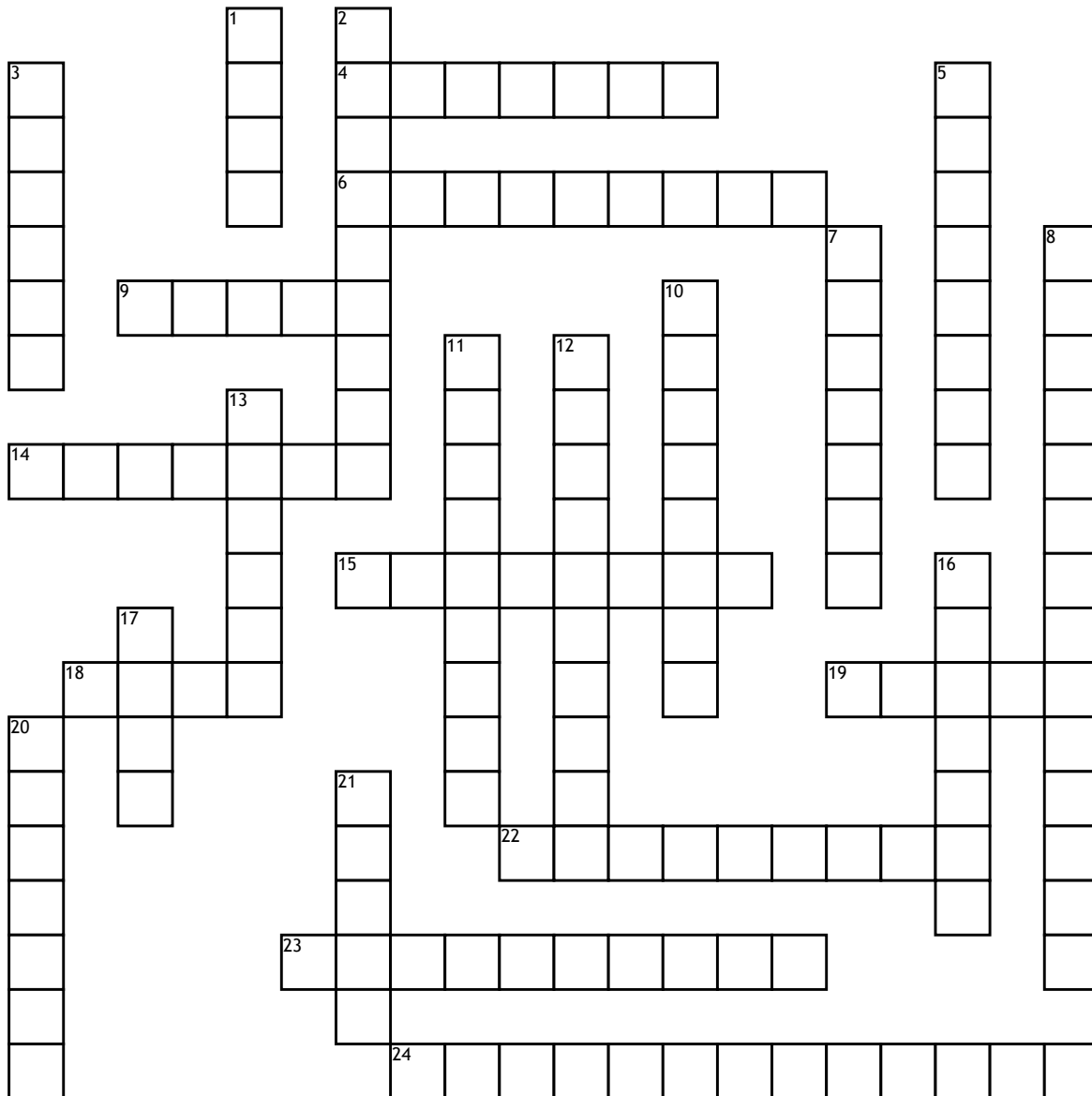


Pi puzzle



Across

4. a triangle that has three unequal sides
 6. if $a = b$ then $b = a$.
 9. an angle smaller than a right angle; an adorable angle
 14. a parallelogram with opposite equal acute angles, opposite equal obtuse angles, and four equal sides.
 15. a transformation that produces an image that is the same shape as the original, but is a different size.
 18. has two pairs of sides. • each pair is made of two adjacent sides (they meet) that are equal in length.
 19. A line segment connecting two points on a curve
 22. The property that $a = a$.
 23. a segment connecting the midpoints of two sides of a triangle

Down

11. a proposition that follows from (and is often appended to) one already proved.
 12. the longest side of a right triangle, opposite the right angle.
 13. the smaller angle. It is more than 90° and less than 180° .
 16. a line from the center of a regular polygon at right angles to any of its sides.
 17. the trigonometric function that is equal to the ratio of the side opposite a given angle (in a right triangle) to the hypotenuse.
 20. having corresponding sides proportional and corresponding angles
 21. a statement of how two numbers compare.

24. Perimeter of a circle
 2. a triangle with (at least) two equal sides.
 3. a round solid figure, or its surface, with every point on its surface equidistant from its center.
 5. the quality of being made up of exactly similar parts facing each other or around an axis.
 7. a straight line or plane that touches a curve or curved surface at a point, but if extended does not cross it at that point.
 8. an angle formed by two chords in a circle which have a common endpoint.
 10. the center of mass of a geometric object of uniform density.