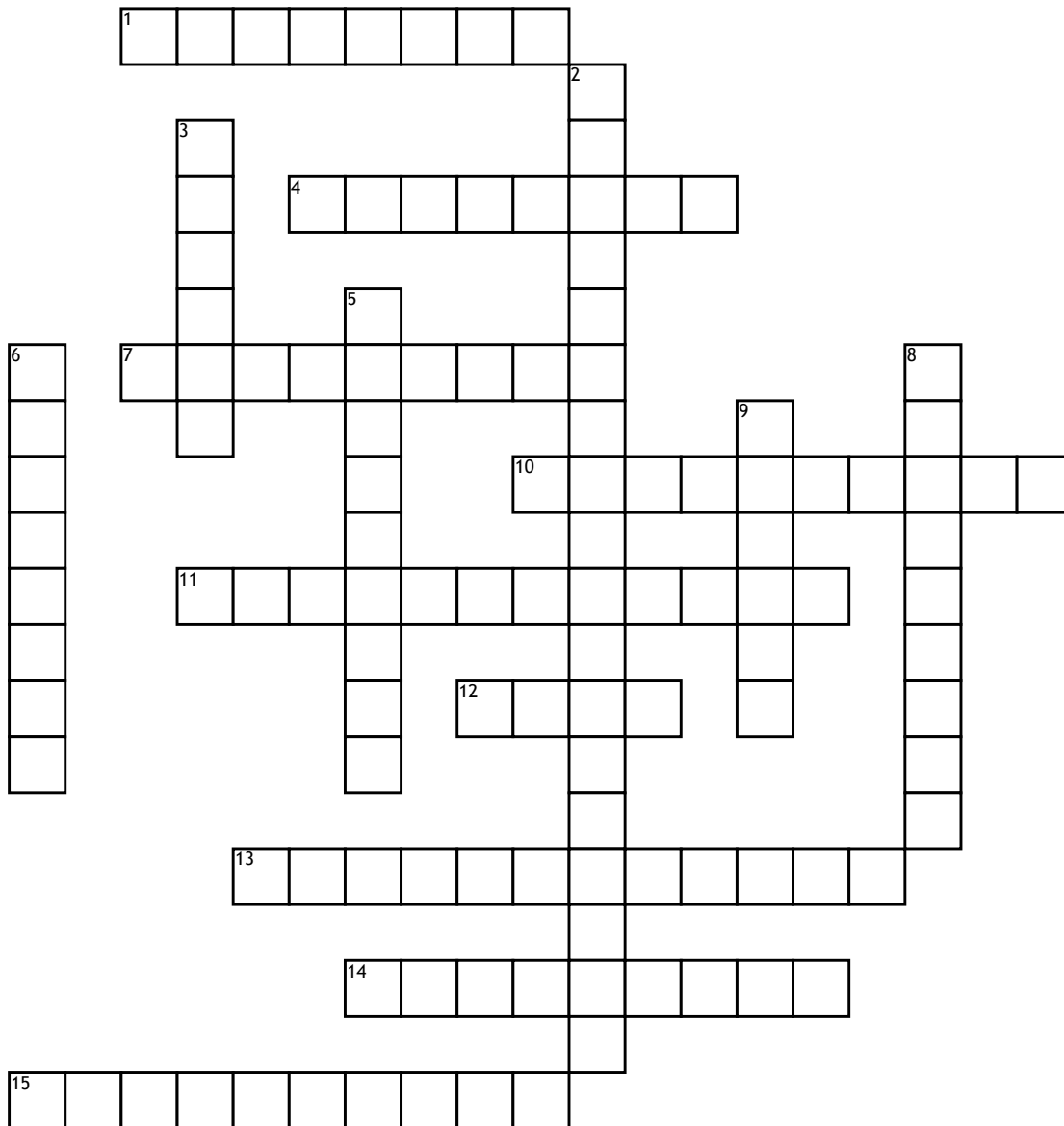# Mathematics 101

Across

1. Mathematical structures used to model pairwise relations between objects

4. A branch of mathematics concerned with questions of shape, size,relative position of figures, and the properties of space

7. Splitting an expression into a multiplication of simpler expressions

10. An algebraic expression consisting of 3 terms

11. a 2-D representation of 3-D object by displaying what it looks like when viewed directly from the top, front, and right side

12. The study of numbers, equations, functions, and geometric shapes and their relationships

13. The study of relationships involving lengths and angles of triangles

14. A 2-D representation of a 3-D figure

15. The point in the equation where the y-value is zero

Down

2. The fundamental relation in Euclidean geometry among the 3 sides of a right triangle

3. I am an acronym to help you remember the order of operations in algebra basics

5. A way of remembering how to compute the sine, cosine, and tangent of an angle.

6. Indicates how many times the value is being multiplied

8. Any equation having the form a x 2 + b x + c = 0

9. The trigonometric function that is equal to the ratio of the side adjacent to an acute angle to the hypotenuse