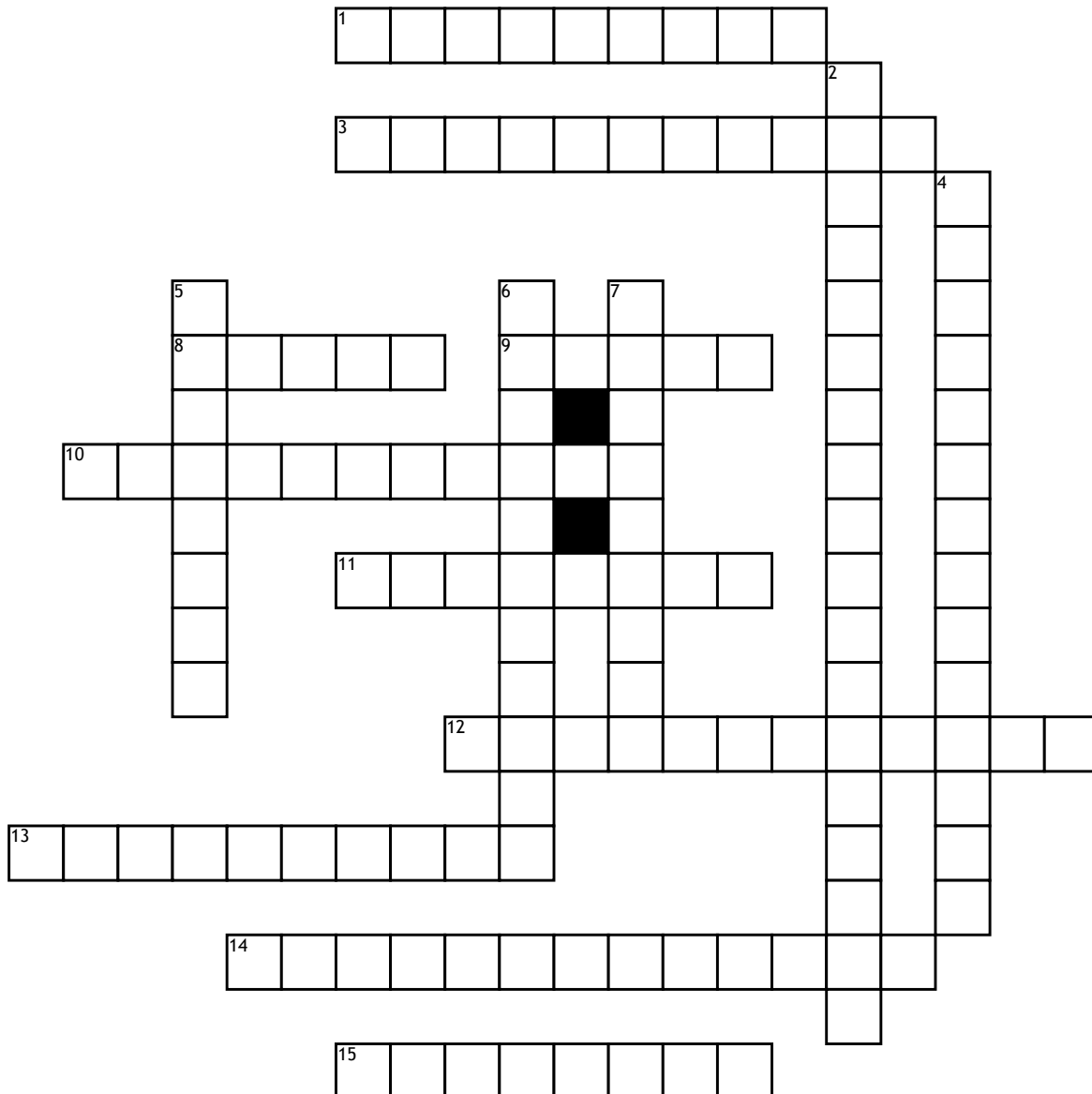


# SYMMETRY AND TRANSFORMATIONS



## Across

1. having exactly the same size and shape
3. the way an object is pointed or angled
8. the number of times you can rotate a figure that has rotational symmetry
9. a figure resulting from a transformation
10. a transformation that "slides" each point of a figure the same distance in the same direction

11. if there exists a rigid motion that maps the figure onto itself, the figure has what?
12. a figure that can be cut in half by a line has what?
13. a transformation that "flips" a figure over a line
14. if a figure can be mapped onto itself with a 180 degree rotation, it has what?
15. the original image before the transformation

## Down

2. a figure that can be turned a certain amount and be mapped onto itself has what?
4. the act of changing a shape in some way- position or size
5. a transformation when you "turn" a figure
6. one shape becomes exactly like another when you move it in some way; turn, flip or slide
7. the degree amount you can turn a figure with rotational symmetry