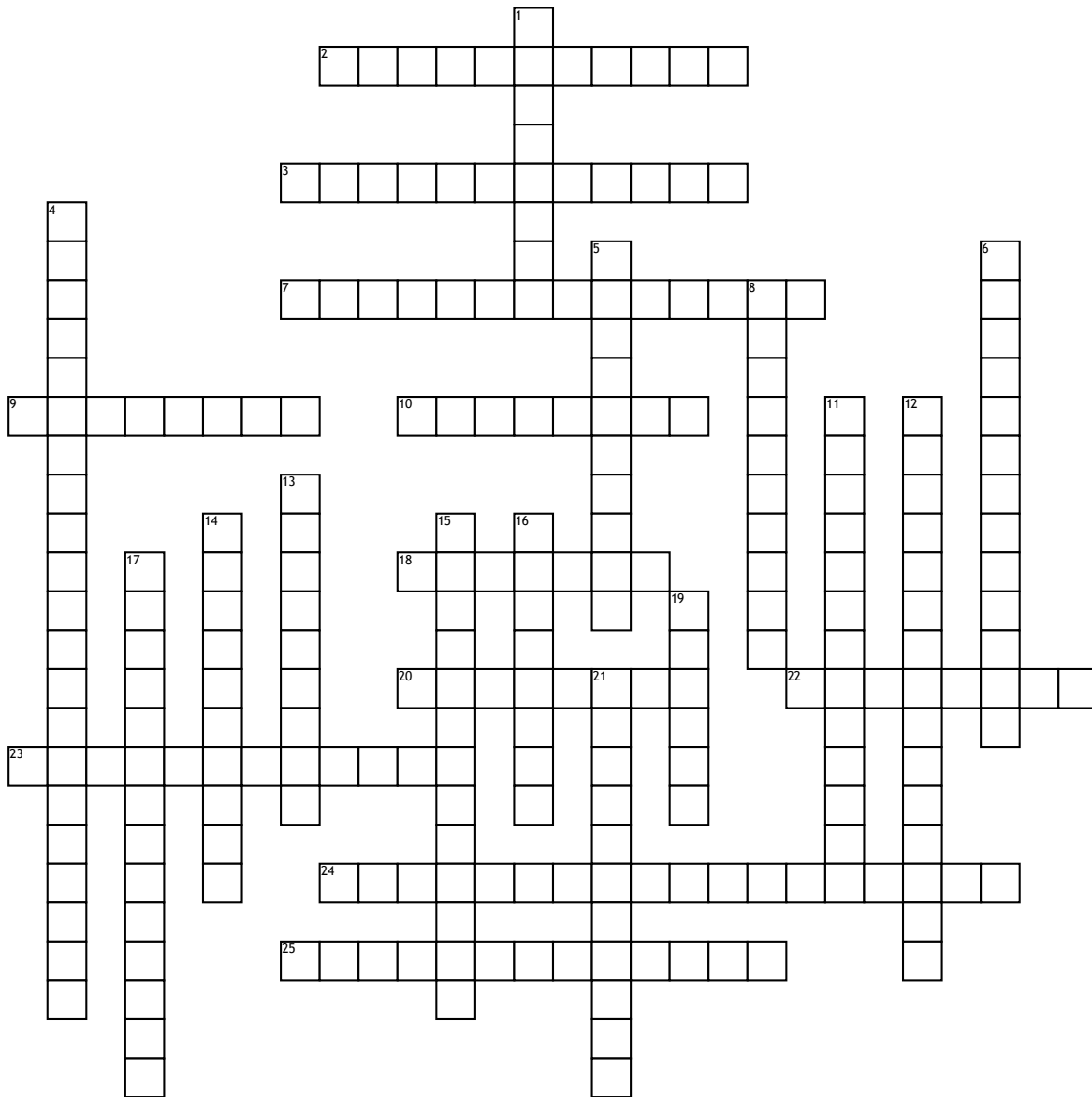


# Points of Concurrency Extensions



## Across

2. At equal distances  
 3. Point of equal distribution of weight or area  
 7. ONE angle is obtuse  
 9. Where the angle bisector intersect  
 10. a natural ability to do something  
 18. NO congruent sides  
 20. The center of mass of a geometric object of uniform density  
 22. A small rocky body orbiting the sun  
 23. Three vertices altitude crosses at the orthocenter

24. A point of concurrency is where three or more lines intersect in one place

25. Sum adds up to 180 degrees

## Down

1. The exact middle between points  
 4. Goes through the midpoint of a side and is perpendicular to that side  
 5. Find a way around  
 6. Divides an angle into TWO congruent angles  
 8. Adjacent angles whose non-adjacent sides form a line  
 11. Divides an angle into TWO congruent angles

12. Three or more lines that all intersect at one point

13. Exactly TWO congruent sides

14. Connects the midpoints, NEVER touches the corners of a triangle

15. All angles are acute

16. Segment from a vertex-perpendicular to the opposite side, "height"

17. Opposite angles formed by two intersecting lines

19. Segment from a vertex to the midpoint of the opposite side triangle has 3 medians

21. Point where all three altitudes of the triangle intersect