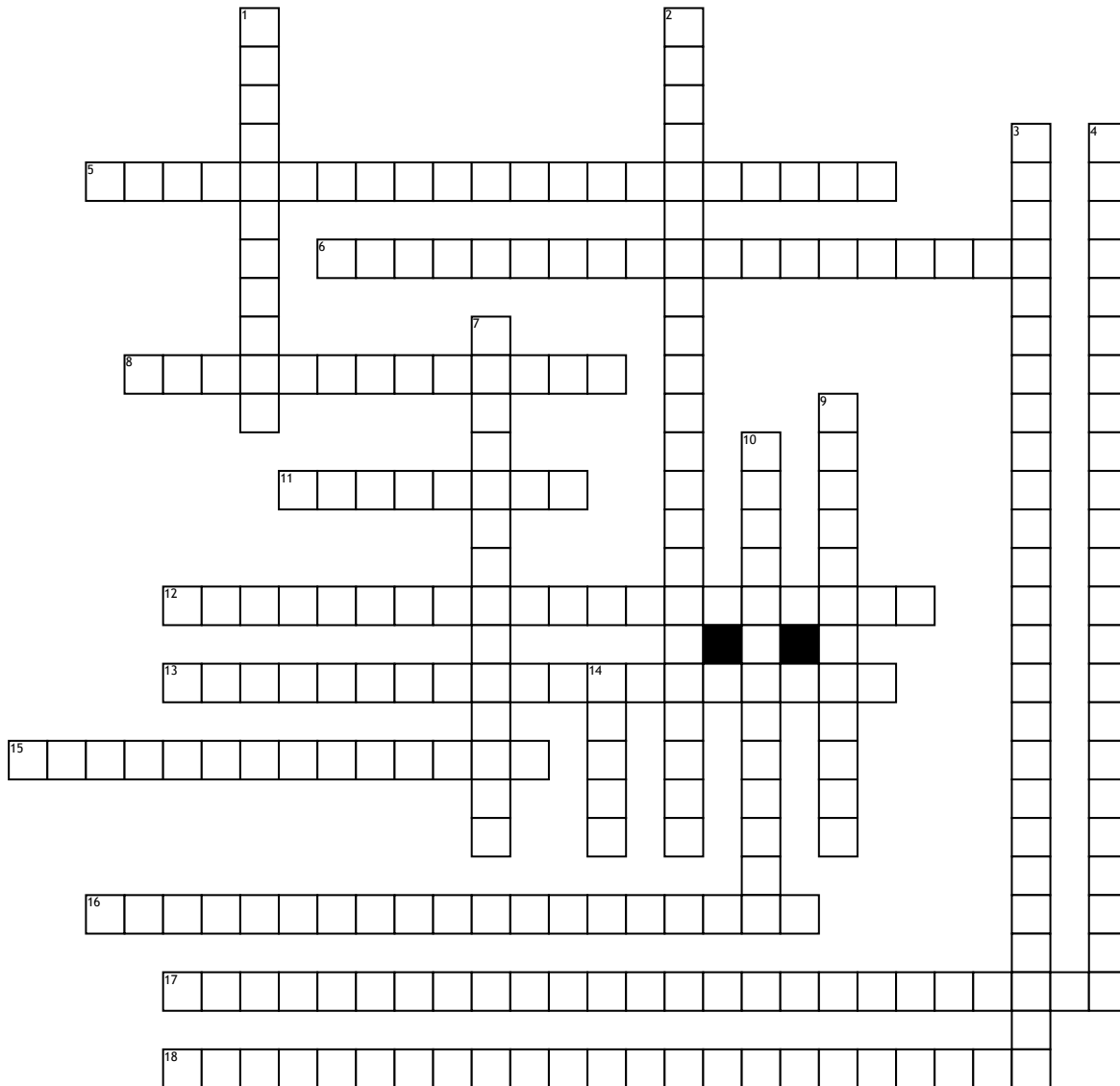


# Unit 2 : similarities, congruences. and proofs



## Across

5. a perpendicular line or segment that passes through the midpoint of a segment

6. congruent angles on separate intersections

8. if the hypotenuse and leg of one right triangle are congruent to the corresponding parts of another right triangle then the two right triangles are congruent

11. a translation that produces an image that is the same shape as the original object but not the same size

12. if two angles of one triangle are congruent to two angles of another triangle, the triangles are similar

13. angles that add up to 90 degrees

15. if two angles and the included side of one triangle are congruent to the corresponding parts of another triangle then the triangles are congruent

16. angles that add up to 180 degrees

17. supplementary angles on the outside

18. congruent angles on the outside but opposite sides of the vertical line

## Down

1. a number that determines how much to enlarge or regress an object

2. if the three sets of corresponding sides of two triangles are in proportion, then the triangles are similar

3. supplementary angles on the outside

4. congruent angles on the inside but opposite of the vertical line

7. angles across from each other with the same angle measures

9. if three sides of one triangle are congruent to three sides of another triangle then the triangles are congruent

10. if two sides and the included angle of one triangle are congruent to the corresponding parts of another triangle then they are congruent

14. comparison of two quantities by division