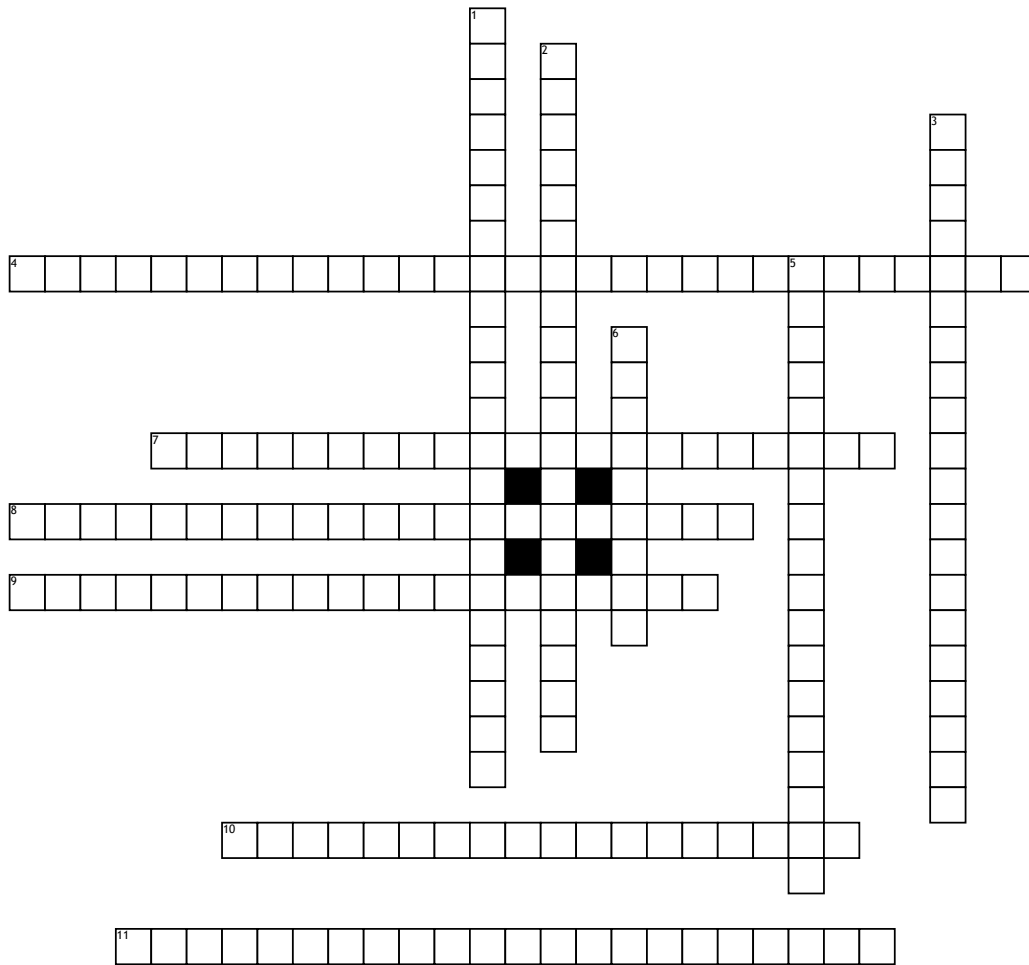


Triangle Postulates and Theorems



Across

4. if a line parallel to a side of a triangle intersects the other two sides then it divides those sides proportionally
 7. If three sides of one triangle are equal in measure to the corresponding sides of another triangle then the triangles are congruent
 8. if two angles of one triangle are equal in measure to two angles of another triangle, then the two triangles are similar
 9. if the three sides of one triangle are proportional to the three corresponding sides of another triangle then the triangles are similar
 10. the sum of the measure of the angles of a triangle is 180
 11. if two sides and the included angle of one triangle are equal in measure to the corresponding sides and angle of another triangle then the triangles are congruent

Down

1. if two angles and the included side of one triangle are congruent to two angles and the included side of another triangle then the triangles are congruent
 2. if two sides of one triangle are proportional to two sides of another triangle and their included angles are congruent then the triangles are similar
 3. an exterior angle of a triangle is equal in measure to the sum of the measures of its two remote interior angles
 5. if two angles of one triangle are congruent to two angles of another then the third pair of angles are congruent
 6. the acute angles of a right triangle are complementary

Word Bank

SAS Congruence Postulate
 SAS Similarity Theorem
 Triangle Sum Theorem
 ASA Congruence Postulate

SSS Congruent Postulate
 Triangle Proportionality Theorem
 Corollary
 Exterior Angle Theorem

AA Similarity Postulate
 Third Angles Theorem
 SSS Similarity Theorem