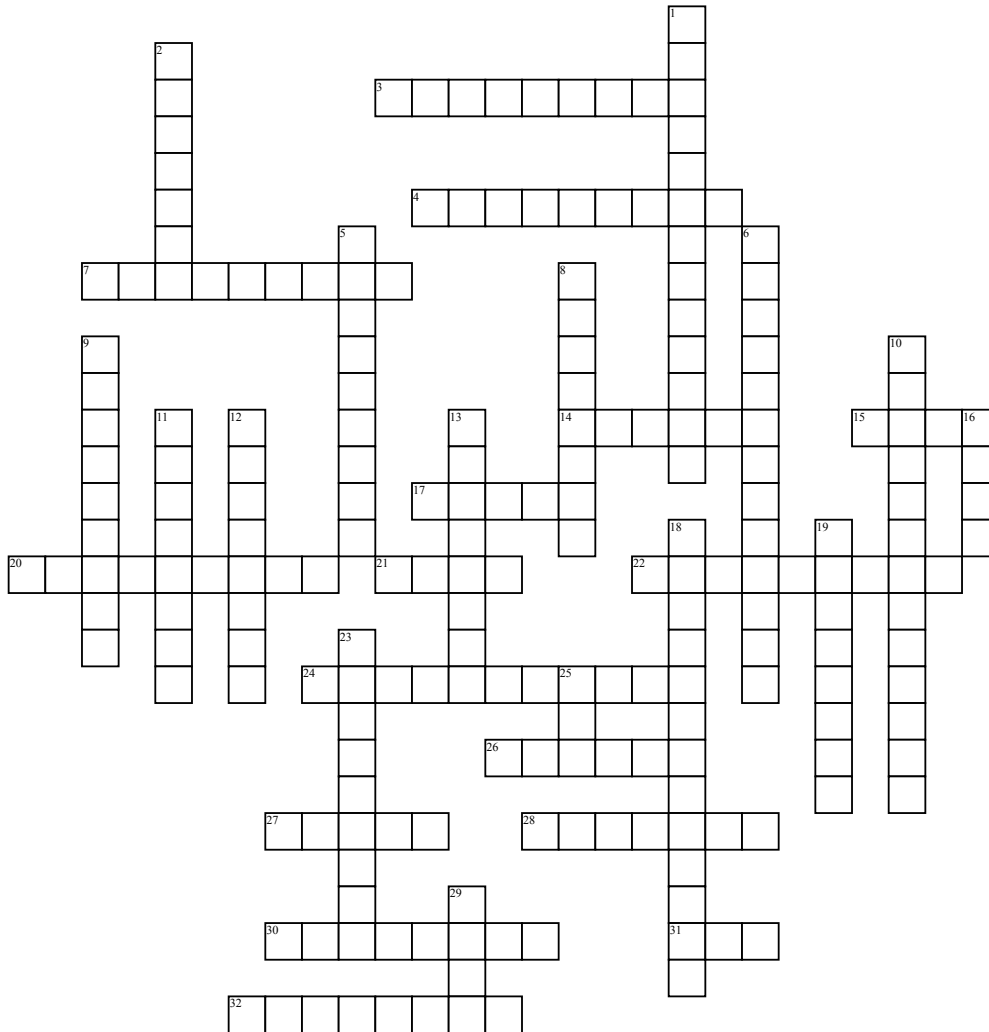


# Quadrilateral Leon



**Across**

- 3. If all the points are \_\_\_\_\_, we obtain a line segment
- 4. \_\_\_\_\_ of a rhombus bisect each other at right angles and vice-versa
- 7. \_\_\_\_\_ of angles of prallelogram form a rectangle
- 14. A \_\_\_\_\_ is a rectangle and also a rhombus
- 15. The line-segment joining the mid-points of any two sides of a triangle is parallel to the third side and is \_\_\_\_\_ of it.
- 17. Diagonals of a square bisect each other at \_\_\_\_\_ angles and are equal and vice-versa
- 20. A trapezium is said to a \_\_\_\_\_ trapezium, if its non parallel sides are equal
- 21. The \_\_\_\_\_ drawn through the mid-point of one side of a triangle, parallel to another side bisect the third side
- 22. If APB and CQD are two parallel lines, then the bisectors of the angles APQ, BPQ, CQP and PQD form
- 24. Two angles are \_\_\_\_\_, if they have a common arm

- 26. If no three points out of four are collinear, we obtain a \_\_\_\_\_ figure with four sides
- 27. Diagonals of a square bisect each other at right angles and are \_\_\_\_\_ and vice-versa
- 28. A line drawn through the mid-point of a side of a triangle parallel to another side \_\_\_\_\_ the third side,
- 30. An angle formed by the extending of a side, adding these together will always equal 360 degrees. \_\_\_\_\_ angle
- 31. Two angles of a quadrilateral are said to be opposite angles if they do not have a common. \_\_\_\_\_
- 32. A quadrilateral has four sides, four angles and four \_\_\_\_\_

**Down**

- 1. The quadrilateral formed by joining the mid-points of the sides of a quadrilateral, taken in order, is a \_\_\_\_\_
- 2. The parallelogram with all sides equal is called \_\_\_\_\_
- 5. If angles A, B, C and D of the quadrilateral ABCD, taken in order, are in the ratio 3:7:6:4, then ABCD is a \_\_\_\_\_

- 6. Angles that add up to 180 degrees. \_\_\_\_\_ angles
- 8. In a parallelogram \_\_\_\_\_ angles are equal
- 9. A \_\_\_\_\_ is not a parallelogram
- 10. Sum of the angles of a \_\_\_\_\_ is 360°
- 11. Two sides of a quadrilateral are \_\_\_\_\_ if they have a common point
- 12. A quadrilateral is a parallelogram, if a pair of opposite side is equal and \_\_\_\_\_
- 13. On joining three non-collinear points in pairs, the figure obtained is a \_\_\_\_\_
- 16. Each of the \_\_\_\_\_ angles of a rectangle is a right angle
- 18. The figure formed by joining the mid-points of the sides of a quadrilateral ABCD, taken in order, is a square only if diagonals of ABCD are equal and \_\_\_\_\_
- 19. The sum of consecutive \_\_\_\_\_ angles is 180
- 23. A diagonal of a parallelogram divides it into two \_\_\_\_\_ triangles,
- 25. A diagonal of a parallelogram divides it into \_\_\_\_\_ congruent triangles.
- 29. A \_\_\_\_\_ is not a parallelogram

**Word Bank**

Vertices	Congruent	Trapezium	Parallel	Arm	Parallelogram	Trapezoid
Bisectors	Bisects	Adjacent	Perpendicular	Diagonals	Consecutive	Supplementary
Exterior	Rectangle	Square	Two	Opposite	interior	Quadrilateral
Triangle	Equal	Rhombus	Right	Line	Half	Isosceles
Closed	Collinear	Four	Kite			