



Quadrilateral properties

<http://topdrawer.aamt.edu.au/Geometric-reasoning/Good-teaching/Exploring-quadrilaterals/Properties-of-quadrilaterals/Property-match-up>

This list contains all the possible properties that a quadrilateral may possess.

Properties relating to symmetry

- A. No axes of symmetry.
- B. Exactly one axis of symmetry.
- C. Exactly two axes of symmetry.
- D. Exactly four axes of symmetry.
- E. Rotational symmetry.

Properties relating to equal opposite sides

- F. Exactly one pair of opposite sides equal.
- G. Two pairs of opposite sides equal (i.e. opposite sides are equal).

Properties relating to parallel opposite sides

- H. Exactly one pair of opposite sides parallel.
- I. Two pairs of opposite parallel sides (i.e. opposite sides are parallel).

Properties relating to equal opposite angles

- J. Exactly one pair of opposite angles equal.
- K. Two pairs of opposite angles equal (i.e. opposite angles are equal).

Properties relating to diagonals

- L. The diagonals are equal in length.
- M. Exactly one of the diagonals bisects the other.
- N. The diagonals bisect each other.
- O. The diagonals meet at right angles.
- P. The diagonals bisect each other at right angles.
- Q. Only one diagonal bisects the angles through which it passes.
- R. The diagonals bisect the angles through which they pass.

Properties relating to sides and angles

- S. Four equal sides.
- T. Four equal angles of 90° each.
- U. Two pairs of adjacent equal sides.

