

TARGET To compare and classify quadrilaterals.

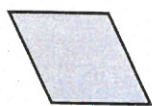
TYPES OF QUADRILATERAL



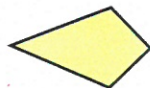
quadrilateral



rectangle



rhombus



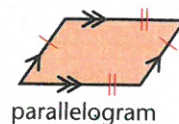
kite



square



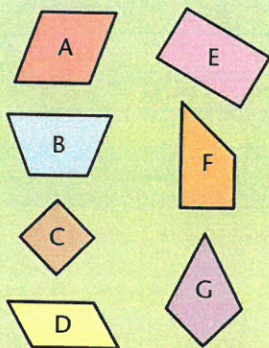
trapezium



parallelogram

A

- Write down the name of each shape.



Copy and complete by writing the missing shape.

- A has four equal sides and no right angle.
- A has one pair of parallel sides.
- A and a have two pairs of equal angles and two pairs of equal sides.

B

See the rhombus and parallelogram above for examples of:

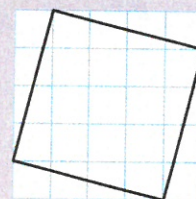
- equal angles
- equal sides
- parallel sides

- Copy and label the six quadrilaterals with special names. For each shape:
 - mark the equal angles.
 - mark the equal sides.
 - mark the parallel sides.
 - draw on all the lines of symmetry.

- Write down the name of all the quadrilaterals which have:
 - 2 lines of symmetry only
 - 0 lines of symmetry
 - 2 pairs of equal angles
 - 1 pair of equal angles
 - 2 pairs of parallel sides
 - 1 pair of parallel sides
 - 4 equal sides
 - 2 pairs of equal sides.

C

- Use squared paper. Draw the following quadrilaterals using the intersections of the squares, but not using the lines.
 - a rectangle
 - a rhombus
 - a symmetrical trapezium
 - a square
 - a parallelogram
 - a trapezium which is not symmetrical
 - a quadrilateral
 - a kite



- Draw on the diagonals of each shape. Which shapes have diagonals which:
 - are of equal length
 - bisect (cut each other in half)
 - are perpendicular?