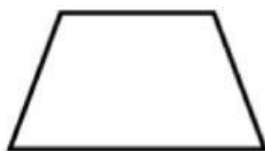


QUADRILATERALS : PROPERTIES

Three quadrilaterals are given below :



A



B



C

Complete the statements :

Shape A is called a _____

Shape B is called _____

Shape C is called _ _____

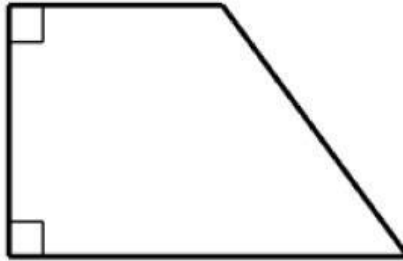
A quadrilateral is drawn below :



Write down the name of quadrilateral _____

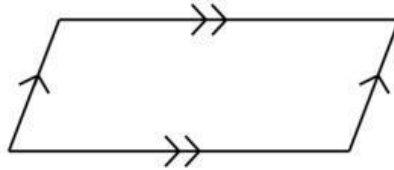
How many lines of symmetry are there ? _____

Write down the mathematical name of the shape



A quadrilateral is drawn below.

It has two pairs of parallel sides



- 1) Write down the name of quadrilateral ? _____
- 2) State one property of the above quadrilateral ?
- 3) How many lines of symmetry does the shape has ? _____

Below is a rectangle.



Tick the correct boxes for the four statements.

	True	False
A rectangle has four right angles	☐	☐
A rectangle has one pair of parallel lines	☐	☐
A rectangle has four lines of symmetry	☐	☐
A rectangle has rotational symmetry of order 2	☐	☐

Here is a list of quadrilaterals

KITE RECTANGLE RHOMBUS SQUARE PARALLELOGRAM
TRAPEZOID

For each of the following descriptions , choose the correct name from the list :

- a) All four sides are the same length , all four angles are equal. _____
- b) Two pairs of parallel sides , opposite angles are equal , no lines of symmetry

- c) All four sides are equal , there are no right angles _____
- d) I have sides. I have one set of sides that are parallel _____
- e) I am a Polygon with 4 sides and 4 angles. I do not have any pairs of opposite sides
that are parallel _____
- f) I am a quadrilateral with 2 pairs of opposite sides that are parallel, 2 pairs of sides
that are equal length and 4 right angles. I am not a square _____

The names of three quadrilaterals are below.

square kite parallelogram

Write each name in the correct position in the table below.

	Line Symmetry	No Line Symmetry
Two pairs of parallel lines		
No parallel lines		

Complete the table below.

	Square	Rhombus	Trapezium
Number of pairs of parallel sides	2		
Diagonals always equal in length			No

James draws a quadrilateral with two pairs of equal length sides. James says that the quadrilateral must be a rectangle or a parallelogram. Explain why James is incorrect.

Maisie draws a trapezium.

Tick one box for each statement.

	True	May be true	False
The trapezium has one pair of parallel lines			
The trapezium has one line of symmetry			
The trapezium has rotational symmetry order 2			
All sides of the trapezium have different lengths			