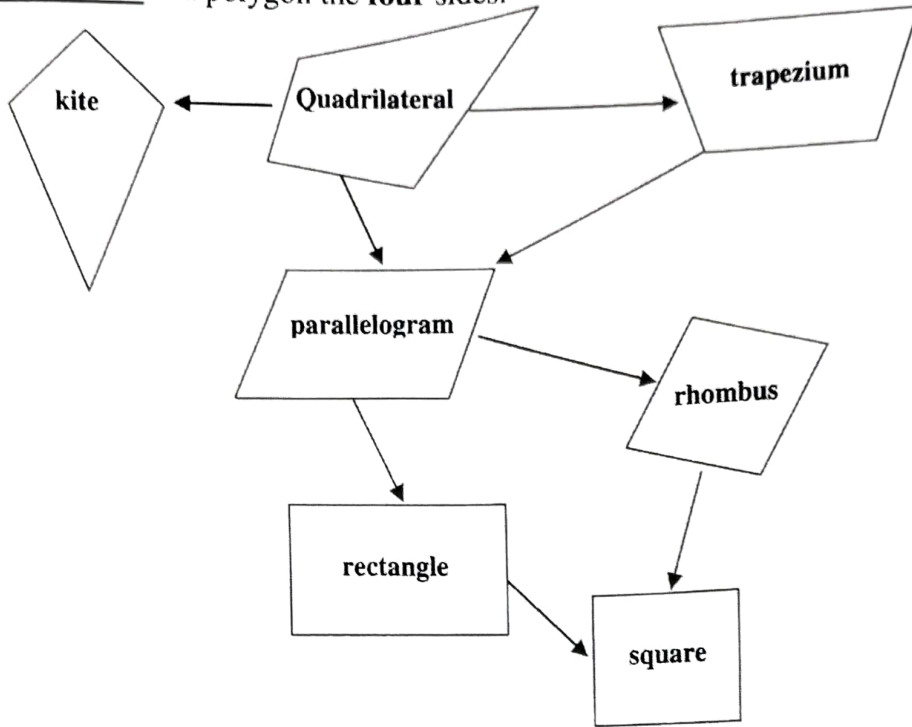


## S 7.15 TYPES OF QUADRILATERALS

A **quadrilateral** is a polygon the **four** sides.



The chart above helps to understand the definitions of the different quadrilaterals.

- ✦ A **kite** is a quadrilateral with two pairs of adjacent sides equal.
- ✦ A **trapezium** is a quadrilateral with one pair of parallel sides.
- ✦ A **parallelogram** is a quadrilateral with two pairs of parallel sides.
- ✦ A **rectangle** is a parallelogram with right angles.
- ✦ A **square** is a rectangle with four equal sides.
- ✦ A **rhombus** is a parallelogram with four equal sides.

### Exercise 7.15

- 1) Define a square in terms of a rhombus. ....  
.....
- 2) Define a parallelogram in terms of a trapezium. ....  
.....
- 3) Answer Sometimes (S) or Always (A):
 

a) A rhombus is a square .....	b) A square is a rectangle .....
c) A trapezium is a parallelogram .....	d) A quadrilateral is a trapezium .....
e) A kite is a quadrilateral .....	f) All parallelograms are quadrilaterals .....
g) A rhombus is a rectangle .....	h) A kite is a parallelogram .....
i) A square is a rhombus .....	j) All squares are parallelograms .....