

Board –CBSE

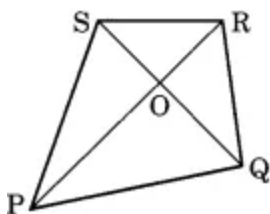
Class – 6<sup>th</sup>

Topic – Basic Geometrical Ideas Ex:4.5

## Exercise – 4.5

**Q1.** Draw a rough sketch of a quadrilateral PQRS. Draw its diagonals. Name them. Is the meeting point of the diagonals in the interior or exterior of the quadrilateral?

**Sol.**



- (i) We have a quadrilateral PQRS.
- (ii) PR and QS are its two diagonals.
- (iii) O is the meeting point of the diagonals PR and QS which is in the interior of the quadrilateral.

**Q2.** Draw a rough sketch of a quadrilateral KLMN. State:

- (a) two pairs of opposite sides
- (b) two pairs of opposite angles
- (c) two pairs of adjacent sides
- (d) two pairs of adjacent angles.

**Sol.** KLMN is the given quadrilateral.

- (a)  $\overline{KL}$ ,  $\overline{NM}$  and  $\overline{KN}$ ,  $\overline{LM}$  are the pairs of opposite sides.
- (b)  $\angle K$  and  $\angle M$ ,  $\angle L$  and  $\angle N$  are the pairs of opposite angles.
- (c)  $\overline{KL}$ ,  $\overline{KN}$  and  $\overline{NM}$ ,  $\overline{ML}$  are the pairs of adjacent sides.
- (d)  $\angle K$  and  $\angle L$ ,  $\angle N$ , and  $\angle M$  are the pairs of adjacent angles.