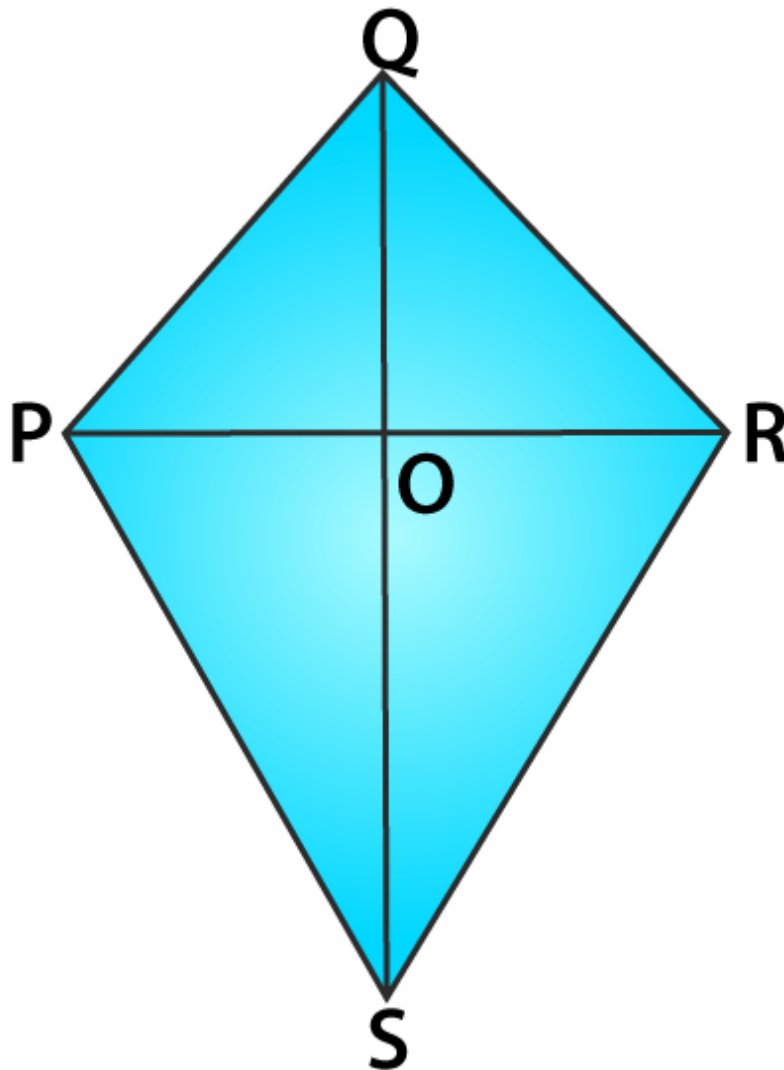


Access NCERT Solutions for Class 6 Chapter 4: Basic Geometrical Ideas Exercise 4.5

1. 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?

Solutions:

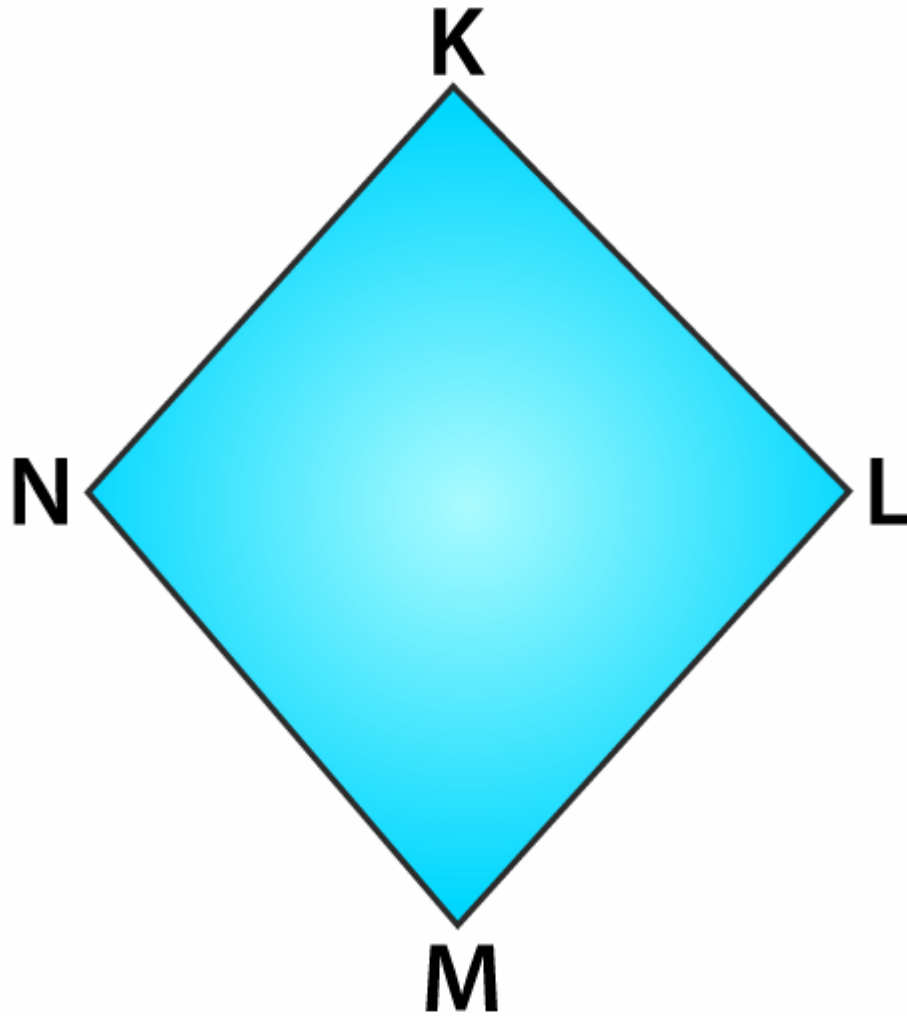
PR and QS are the diagonals. They meet at point O which is in the interior of the quadrilateral.



2. 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.

Solutions:



(a) Two pairs of opposite sides are

\overline{KL} ,
 \overline{NM} and
 \overline{KN} ,
 \overline{ML}

(b) Two pairs of opposite angles are $\angle KLM$, $\angle KNM$ and $\angle LKN$, $\angle LMN$

(c) Two pairs of adjacent sides are

\overline{KL} ,
 \overline{KN} and
 \overline{NM} ,
 \overline{ML} or

\overline{KL} ,
 \overline{LM} and
 \overline{NM} ,
 \overline{NK}

(d) Two pairs of adjacent angles are $\angle K$, $\angle L$ and $\angle M$, $\angle N$ or $\angle K$, $\angle L$ and

$\angle L$, $\angle M$