

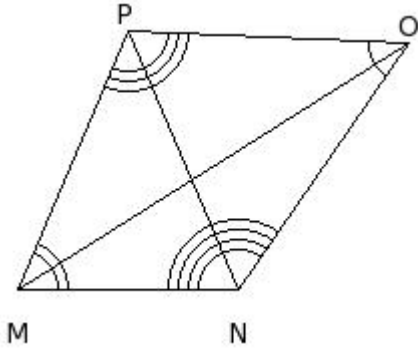
EduSahara™ Learning Center Assignment

Grade : Class IX, ICSE

Chapter : Quadrilaterals

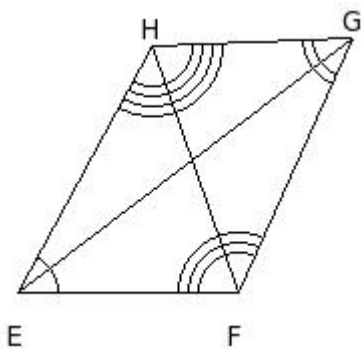
Name : Quadrilateral Concepts

1. The sides of the quadrilateral are



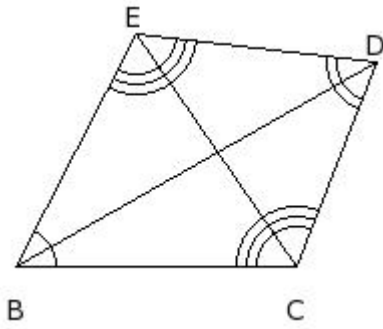
- (i) $\overline{MO}$, $\overline{ON}$, $\overline{NP}$, $\overline{PM}$
- (ii) $\overline{MN}$, $\overline{NO}$, $\overline{OQ}$, $\overline{QM}$
- (iii) $\overline{MN}$, $\overline{NO}$, $\overline{OP}$, $\overline{PM}$
- (iv) $\overline{MN}$, $\overline{NP}$, $\overline{PQ}$, $\overline{QM}$
- (v) $\overline{MO}$, $\overline{OP}$, $\overline{PN}$, $\overline{NM}$

2. The name of the quadrilateral is



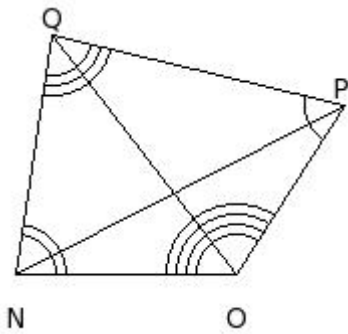
- (i) EGHF
- (ii) EGFH
- (iii) EFGI
- (iv) EFGH
- (v) EFHI

3. The angles of the quadrilateral are



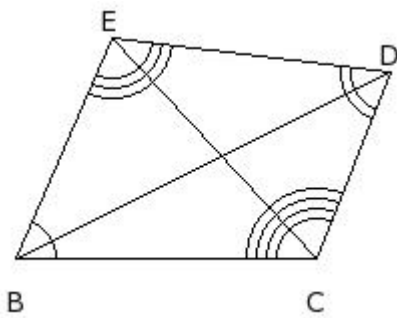
- (i) $\angle B, \angle C, \angle D, \angle G$
- (ii) $\angle B, \angle C, \angle E, \angle F$
- (iii) $\angle B, \angle C, \angle E, \angle G$
- (iv) $\angle B, \angle C, \angle D, \angle E$
- (v) $\angle B, \angle C, \angle D, \angle F$

4. The vertices of the quadrilateral are



- (i) N, O, P, S
- (ii) N, O, P, Q
- (iii) N, O, Q, R
- (iv) N, O, Q, S
- (v) N, O, P, R

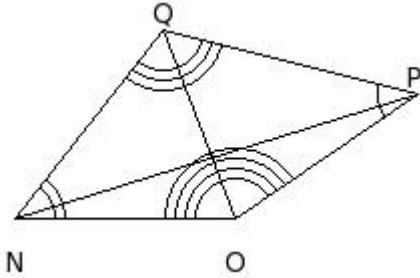
5. The diagonals of the quadrilateral are



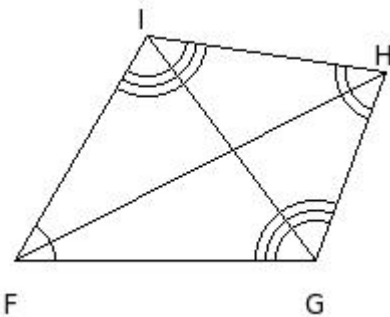
- (i) $\overline{CE}, \overline{BD}$
- (ii) $\overline{DC}, \overline{BE}$
- (iii) $\overline{DE}, \overline{BC}$

(iv) $\overline{CF}, \overline{BE}$ (v) $\overline{CF}, \overline{BD}$

6. The adjacent sides of the quadrilateral are

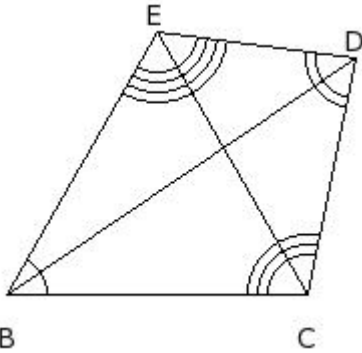
(i) $\overline{NP} \& \overline{PQ}, \overline{PQ} \& \overline{QO}, \overline{QO} \& \overline{ON}, \overline{ON} \& \overline{NP}$ (ii) $\overline{NO} \& \overline{OP}, \overline{OP} \& \overline{PQ}, \overline{PQ} \& \overline{QN}, \overline{QN} \& \overline{NO}$ (iii) $\overline{NP} \& \overline{PO}, \overline{PO} \& \overline{OQ}, \overline{OQ} \& \overline{QN}, \overline{QN} \& \overline{NP}$ (iv) $\overline{NO} \& \overline{OQ}, \overline{OQ} \& \overline{QR}, \overline{QR} \& \overline{RN}, \overline{RN} \& \overline{NO}$ (v) $\overline{NO} \& \overline{OP}, \overline{OP} \& \overline{PR}, \overline{PR} \& \overline{RN}, \overline{RN} \& \overline{NO}$

7. The opposite sides of the quadrilateral are

(i) $\overline{FG} \& \overline{IJ}, \overline{GI} \& \overline{JF}$ (ii) $\overline{FH} \& \overline{IG}, \overline{HI} \& \overline{GF}$ (iii) $\overline{FH} \& \overline{GI}, \overline{HG} \& \overline{IF}$ (iv) $\overline{FG} \& \overline{HI}, \overline{GH} \& \overline{IF}$

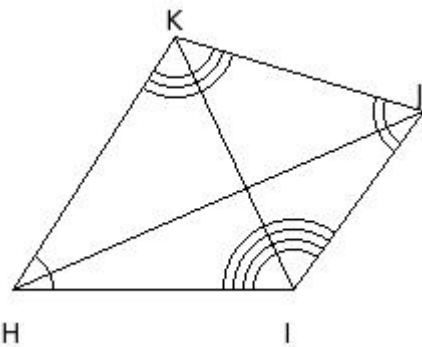
(v) $\overline{FG}$ & $\overline{HJ}$, $\overline{GH}$ & $\overline{JF}$

8. The adjacent angles of the quadrilateral are



- (i) $\angle B$ & $\angle C$, $\angle C$ & $\angle D$, $\angle D$ & $\angle E$, $\angle E$ & $\angle B$
- (ii) $\angle B$ & $\angle D$, $\angle D$ & $\angle E$, $\angle E$ & $\angle C$, $\angle C$ & $\angle B$
- (iii) $\angle B$ & $\angle C$, $\angle C$ & $\angle E$, $\angle E$ & $\angle F$, $\angle F$ & $\angle B$
- (iv) $\angle B$ & $\angle D$, $\angle D$ & $\angle C$, $\angle C$ & $\angle E$, $\angle E$ & $\angle B$
- (v) $\angle B$ & $\angle C$, $\angle C$ & $\angle D$, $\angle D$ & $\angle E$, $\angle E$ & $\angle B$

9. The opposite angles of the quadrilateral are



- (i) $\angle H$ & $\angle I$, $\angle J$ & $\angle K$
- (ii) $\angle H$ & $\angle K$, $\angle J$ & $\angle I$
- (iii) $\angle H$ & $\angle J$, $\angle I$ & $\angle L$
- (iv) $\angle H$ & $\angle J$, $\angle I$ & $\angle K$
- (v) $\angle H$ & $\angle K$, $\angle I$ & $\angle L$

10. Which of the following is a regular polygon with four sides?

- (i) square (ii) rhombus (iii) parallelogram (iv) trapezium (v) rectangle

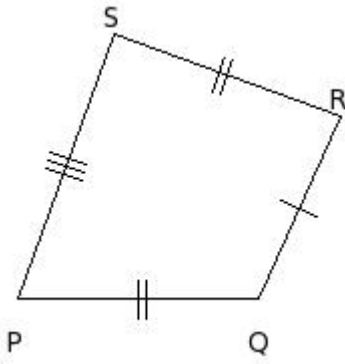
11. Sum of the interior angles in a quadrilateral is

- (i) 360° (ii) 365° (iii) 370° (iv) 375° (v) 390°

12. How many diagonals does a quadrilateral have?

- (i) (-1) (ii) 2 (iii) 4 (iv) 1 (v) 3

13. Identify the figure below



(i) triangle (ii) hexagon (iii) quadrilateral (iv) pentagon (v) octagon

Assignment Key

- 1) (iii)
- 2) (iv)
- 3) (iv)
- 4) (ii)
- 5) (i)
- 6) (ii)
- 7) (iv)
- 8) (v)
- 9) (iv)
- 10) (i)
- 11) (i)
- 12) (ii)
- 13) (iii)