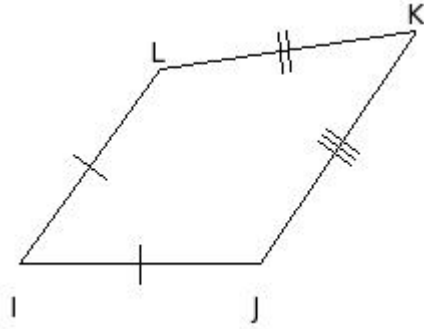


EduSahara™ Learning Center Assignment

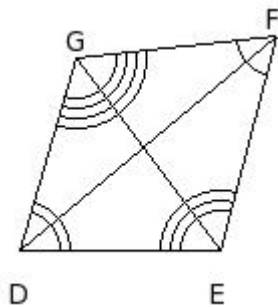
Grade : Class VIII, ICSE
 Chapter : Quadrilaterals
 Name : Quadrilateral Concepts
 Licensed To : Teachers and Students for non-commercial use

1. Identify the figure below



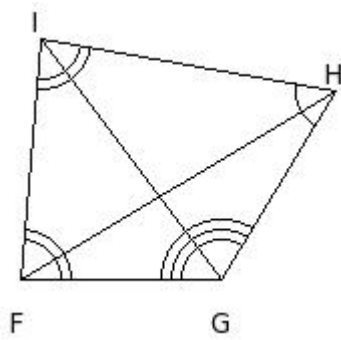
(i) quadrilateral (ii) hexagon (iii) decagon (iv) nonagon (v) octagon

2. The sides of the quadrilateral are



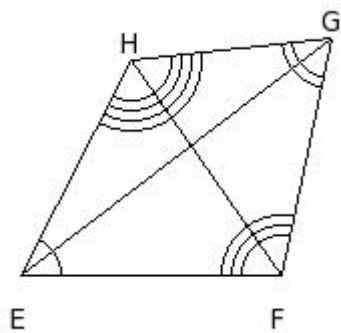
- (i) $\overline{DF}, \overline{FG}, \overline{GE}, \overline{ED}$
 - (ii) $\overline{DE}, \overline{EF}, \overline{FG}, \overline{GD}$
 - (iii) $\overline{DE}, \overline{EF}, \overline{FH}, \overline{HD}$
 - (iv) $\overline{DE}, \overline{EG}, \overline{GH}, \overline{HD}$
 - (v) $\overline{DF}, \overline{FE}, \overline{EG}, \overline{GD}$
-

3. The name of the quadrilateral is



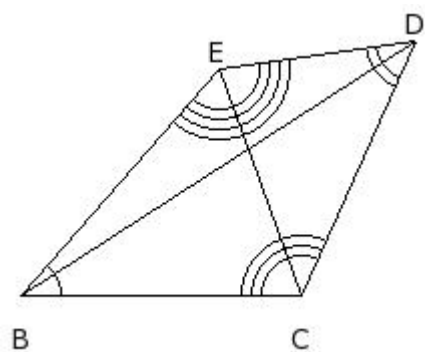
- (i) FGIJ
- (ii) FHIG
- (iii) FHGI
- (iv) FGHJ
- (v) FGHI

4. The angles of the quadrilateral are



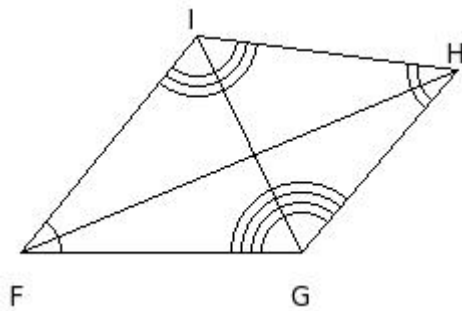
- (i) $\angle E, \angle F, \angle H, \angle J$
- (ii) $\angle E, \angle F, \angle G, \angle I$
- (iii) $\angle E, \angle F, \angle G, \angle H$
- (iv) $\angle E, \angle F, \angle G, \angle J$
- (v) $\angle E, \angle F, \angle H, \angle I$

5. The vertices of the quadrilateral are



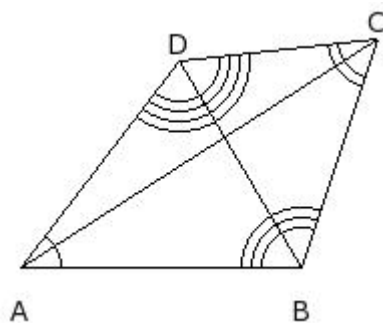
- (i) B , C , D , E
 - (ii) B , C , E , G
 - (iii) B , C , E , F
 - (iv) B , C , D , F
 - (v) B , C , D , G
-

6. The diagonals of the quadrilateral are



- (i) $\overline{GI}, \overline{FH}$
 - (ii) $\overline{HI}, \overline{FG}$
 - (iii) $\overline{GJ}, \overline{FI}$
 - (iv) $\overline{GJ}, \overline{FH}$
 - (v) $\overline{HG}, \overline{FI}$
-

7. The adjacent sides of the quadrilateral are



- (i) $\overline{AC} \text{ \& } \overline{CB}, \overline{CB} \text{ \& } \overline{BD}, \overline{BD} \text{ \& } \overline{DA}, \overline{DA} \text{ \& } \overline{AC}$

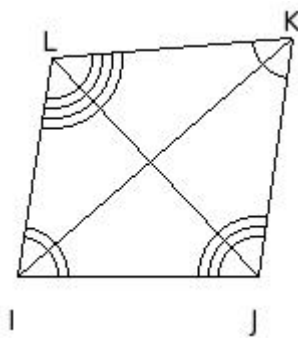
(ii) $\overline{AB}$ & $\overline{BD}$, $\overline{BD}$ & $\overline{DE}$, $\overline{DE}$ & $\overline{EA}$, $\overline{EA}$ & $\overline{AB}$

(iii) $\overline{AB}$ & $\overline{BC}$, $\overline{BC}$ & $\overline{CD}$, $\overline{CD}$ & $\overline{DA}$, $\overline{DA}$ & $\overline{AB}$

(iv) $\overline{AB}$ & $\overline{BC}$, $\overline{BC}$ & $\overline{CE}$, $\overline{CE}$ & $\overline{EA}$, $\overline{EA}$ & $\overline{AB}$

(v) $\overline{AC}$ & $\overline{CD}$, $\overline{CD}$ & $\overline{DB}$, $\overline{DB}$ & $\overline{BA}$, $\overline{BA}$ & $\overline{AC}$

8. The opposite sides of the quadrilateral are



(i) $\overline{IJ}$ & $\overline{KL}$, $\overline{JK}$ & $\overline{LI}$

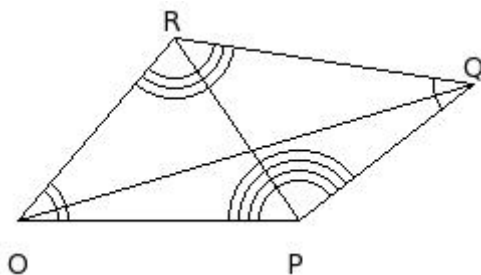
(ii) $\overline{IK}$ & $\overline{JL}$, $\overline{KJ}$ & $\overline{LI}$

(iii) $\overline{IJ}$ & $\overline{KM}$, $\overline{JK}$ & $\overline{MI}$

(iv) $\overline{IK}$ & $\overline{LJ}$, $\overline{KL}$ & $\overline{JI}$

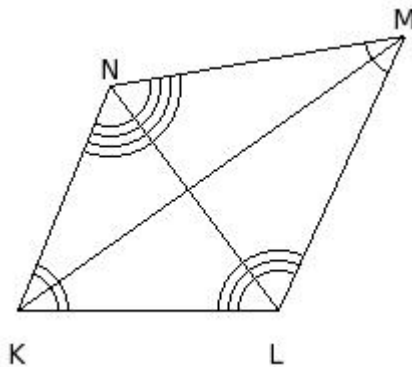
(v) $\overline{IJ}$ & $\overline{LM}$, $\overline{JL}$ & $\overline{MI}$

9. The adjacent angles of the quadrilateral are



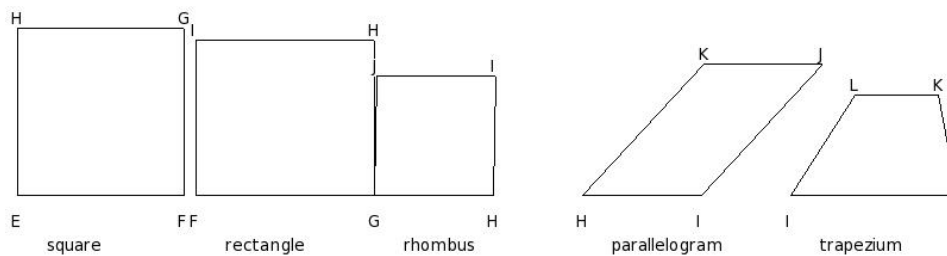
- (i) $\angle O$ & $\angle P$, $\angle P$ & $\angle Q$, $\angle Q$ & $\angle R$, $\angle R$ & $\angle O$
- (ii) $\angle O$ & $\angle Q$, $\angle Q$ & $\angle R$, $\angle R$ & $\angle P$, $\angle P$ & $\angle O$
- (iii) $\angle O$ & $\angle P$, $\angle P$ & $\angle Q$, $\angle Q$ & $\angle S$, $\angle S$ & $\angle O$
- (iv) $\angle O$ & $\angle P$, $\angle P$ & $\angle R$, $\angle R$ & $\angle S$, $\angle S$ & $\angle O$
- (v) $\angle O$ & $\angle Q$, $\angle Q$ & $\angle P$, $\angle P$ & $\angle R$, $\angle R$ & $\angle O$

10. The opposite angles of the quadrilateral are



- (i) $\angle K$ & $\angle L$, $\angle M$ & $\angle N$
- (ii) $\angle K$ & $\angle N$, $\angle L$ & $\angle O$
- (iii) $\angle K$ & $\angle M$, $\angle L$ & $\angle N$
- (iv) $\angle K$ & $\angle N$, $\angle M$ & $\angle L$
- (v) $\angle K$ & $\angle M$, $\angle L$ & $\angle O$

11. Which of the following figures is a regular quadrilateral?



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

12. Sum of the interior angles in a quadrilateral is

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

13. How many diagonals does a quadrilateral have?

- (i) 2 (ii) 1 (iii) 5 (iv) 3 (v) 0

Assignment Key

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