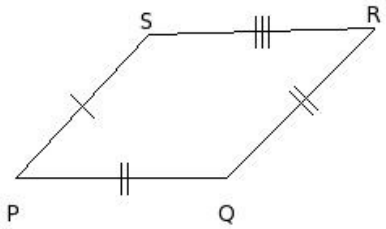
EduSahara™ Assignment

Name : Quadrilateral Concepts

Chapter : Quadrilaterals

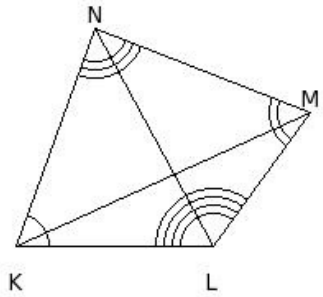
Grade : ICSE Grade VIII

1. Identify the figure below



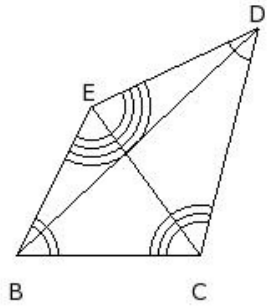
(i) heptagon (ii) quadrilateral (iii) octagon (iv) nonagon (v) angle

2. The sides of the quadrilateral are



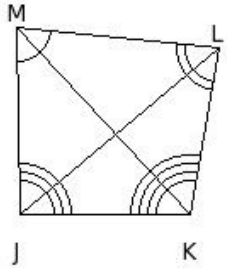
(i) $\overline{KL}, \overline{LM}, \overline{MN}, \overline{NK}$ (ii) $\overline{KL}, \overline{LN}, \overline{NO}, \overline{OK}$ (iii) $\overline{KM}, \overline{ML}, \overline{LN}, \overline{NK}$ (iv) $\overline{KL}, \overline{LM}, \overline{MO}, \overline{OK}$ (v) $\overline{KM}, \overline{MN}, \overline{NL}, \overline{LK}$

3. The name of the quadrilateral is



(i) BCDF (ii) BCDE (iii) BCEF (iv) BDCE (v) BDEC

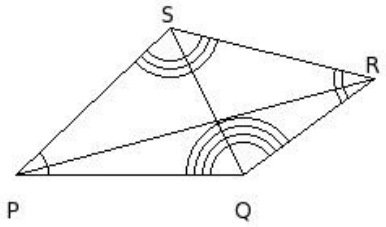
4. The angles of the quadrilateral are



(i) $\angle J, \angle K, \angle M, \angle O$ (ii) $\angle J, \angle K, \angle L, \angle M$ (iii) $\angle J, \angle K, \angle M, \angle N$ (iv) $\angle J, \angle K, \angle L, \angle O$

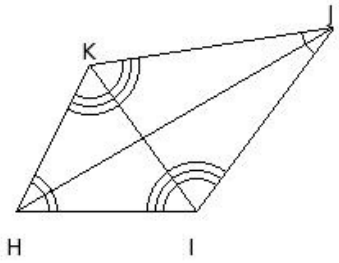
(v) $\angle J, \angle K, \angle L, \angle N$

5. The vertices of the quadrilateral are



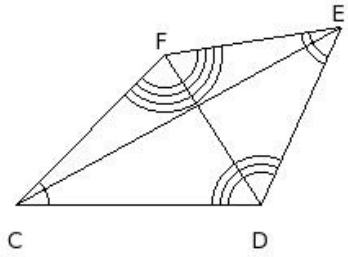
(i) P , Q , S , T (ii) P , Q , R , T (iii) P , Q , S , U (iv) P , Q , R , S (v) P , Q , R , U

6. The diagonals of the quadrilateral are



(i) $\overline{IK}$, $\overline{HJ}$ (ii) $\overline{JI}$, $\overline{HK}$ (iii) $\overline{JK}$, $\overline{HI}$ (iv) $\overline{IL}$, $\overline{HK}$ (v) $\overline{IL}$, $\overline{HJ}$

7. The adjacent sides of the quadrilateral are

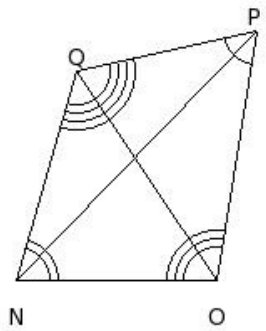


(i) $\overline{CD}$ & $\overline{DF}$, $\overline{DF}$ & $\overline{FG}$, $\overline{FG}$ & $\overline{GC}$, $\overline{GC}$ & $\overline{CD}$ (ii) $\overline{CD}$ & $\overline{DE}$, $\overline{DE}$ & $\overline{EG}$, $\overline{EG}$ & $\overline{GC}$, $\overline{GC}$ & $\overline{CD}$

(iii) $\overline{CE}$ & $\overline{ED}$, $\overline{ED}$ & $\overline{DF}$, $\overline{DF}$ & $\overline{FC}$, $\overline{FC}$ & $\overline{CE}$ (iv) $\overline{CE}$ & $\overline{EF}$, $\overline{EF}$ & $\overline{FD}$, $\overline{FD}$ & $\overline{DC}$, $\overline{DC}$ & $\overline{CE}$

(v) $\overline{CD}$ & $\overline{DE}$, $\overline{DE}$ & $\overline{EF}$, $\overline{EF}$ & $\overline{FC}$, $\overline{FC}$ & $\overline{CD}$

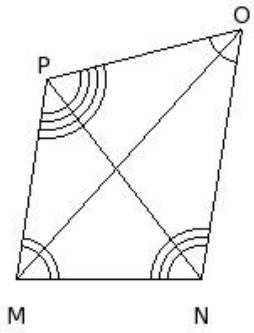
8. The opposite sides of the quadrilateral are



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

(v) $\overline{NP}$ & $\overline{QO}$, $\overline{PQ}$ & $\overline{ON}$

9. The adjacent angles of the quadrilateral are

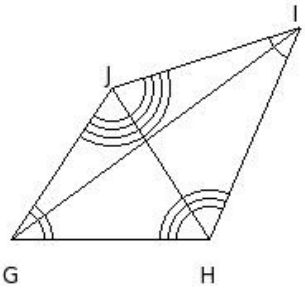


(i) ∠M & ∠O , ∠O & ∠N , ∠N & ∠P , ∠P & ∠M (ii) ∠M & ∠N , ∠N & ∠O , ∠O & ∠P , ∠P & ∠M

(iii) ∠M & ∠N , ∠N & ∠P , ∠P & ∠Q , ∠Q & ∠M (iv) ∠M & ∠N , ∠N & ∠O , ∠O & ∠Q , ∠Q & ∠M

(v) ∠M & ∠O , ∠O & ∠P , ∠P & ∠N , ∠N & ∠M

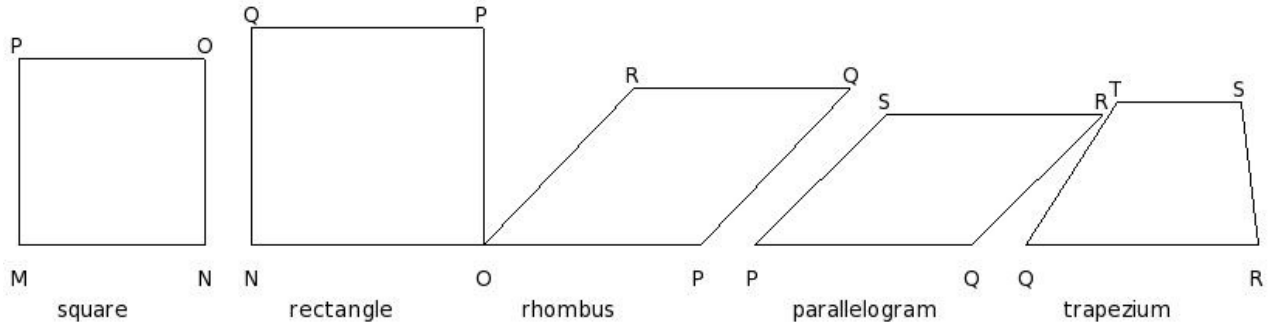
10. The opposite angles of the quadrilateral are



(i) ∠G & ∠J , ∠I & ∠H (ii) ∠G & ∠I , ∠H & ∠K (iii) ∠G & ∠H , ∠I & ∠J (iv) ∠G & ∠I , ∠H & ∠J

(v) ∠G & ∠J , ∠H & ∠K

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



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

12. Sum of the interior angles in a quadrilateral is

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

13. How many diagonals does a quadrilateral have?

(i) 3 (ii) 4 (iii) 2 (iv) 1 (v) 0

Assignment Key

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