EduSahara™ Assignment

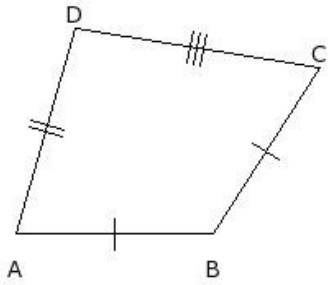
Name : Quadrilateral Concepts

Chapter : Quadrilaterals

Grade : SSC Grade VII

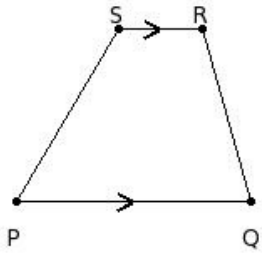
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1. Identify the figure below



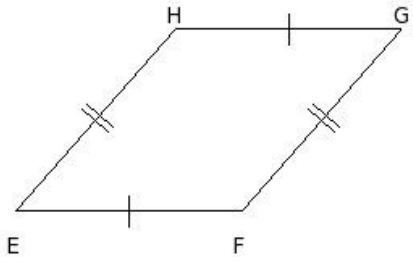

(i) heptagon (ii) quadrilateral (iii) nonagon (iv) circle (v) pentagon

2. Identify the figure below



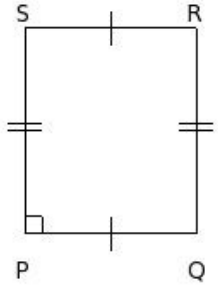

(i) trapezium (ii) angle (iii) square (iv) rhombus (v) parallelogram

3. Identify the figure below



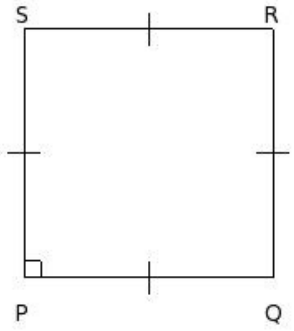

(i) angle (ii) circle (iii) trapezium (iv) parallelogram (v) square

4. Identify the figure below



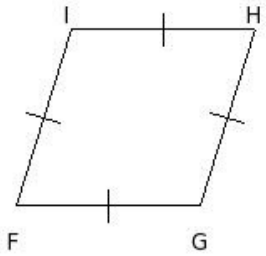

(i) rectangle (ii) parallelogram (iii) kite (iv) circle (v) rhombus

5. Identify the figure below



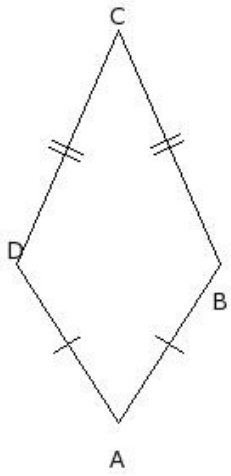

(i) circle (ii) kite (iii) parallelogram (iv) angle (v) square

6. Identify the figure below



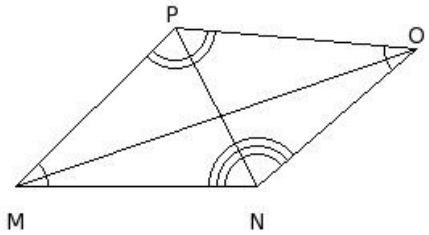

(i) kite (ii) circle (iii) rhombus (iv) triangle (v) trapezium

7. Identify the figure below



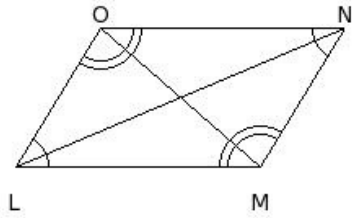

(i) parallelogram (ii) circle (iii) rhombus (iv) kite (v) square

8. The sides of the quadrilateral are



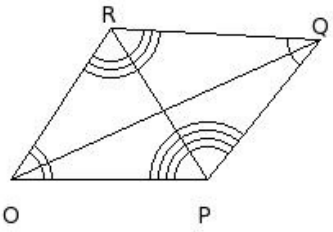

(i) $\overline{MO}, \overline{OP}, \overline{PN}, \overline{NM}$ (ii) $\overline{MN}, \overline{NO}, \overline{OP}, \overline{PM}$ (iii) $\overline{MO}, \overline{ON}, \overline{NP}, \overline{PM}$ (iv) $\overline{MN}, \overline{NP}, \overline{PQ}, \overline{QM}$ (v) $\overline{MN}, \overline{NO}, \overline{OQ},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

9. The name of the quadrilateral is




(i) LMNP (ii) LMNO (iii) LNOM (iv) LNMO (v) LMOP

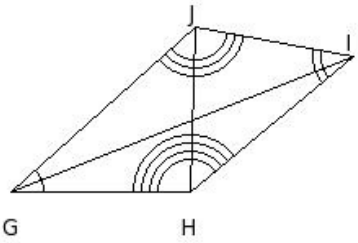
10. The angles of the quadrilateral are




(i) ∠O , ∠P , ∠R , ∠S (ii) ∠O , ∠P , ∠R , ∠T (iii) ∠O , ∠P , ∠Q , ∠R (iv) ∠O , ∠P , ∠Q , ∠S

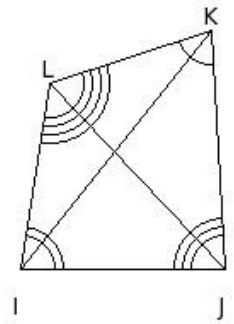
(v) ∠O , ∠P , ∠Q , ∠T

11. The vertices of the quadrilateral are



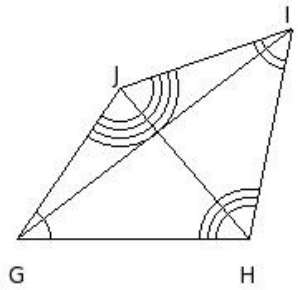

(i) G , H , I , K (ii) G , H , J , K (iii) G , H , I , J (iv) G , H , J , L (v) G , H , I , L

12. The diagonals of the quadrilateral are




(i) $\overline{KJ}, \overline{IL}$ (ii) $\overline{JM}, \overline{IK}$ (iii) $\overline{JL}, \overline{IK}$ (iv) $\overline{KL}, \overline{IJ}$ (v) $\overline{JM}, \overline{IL}$

13. The adjacent sides of the quadrilateral are

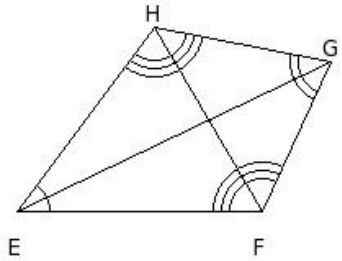



(i) $\overline{GI}$ & $\overline{IH}$ , $\overline{IH}$ & $\overline{HJ}$ , $\overline{HJ}$ & $\overline{JG}$ , $\overline{JG}$ & $\overline{GI}$ (ii) $\overline{GH}$ & $\overline{HJ}$ , $\overline{HJ}$ & $\overline{JK}$ , $\overline{JK}$ & $\overline{KG}$ , $\overline{KG}$ & $\overline{GH}$

(iii) $\overline{GH}$ & $\overline{HI}$ , $\overline{HI}$ & $\overline{IJ}$ , $\overline{IJ}$ & $\overline{JG}$ , $\overline{JG}$ & $\overline{GH}$ (iv) $\overline{GI}$ & $\overline{IJ}$ , $\overline{IJ}$ & $\overline{JH}$ , $\overline{JH}$ & $\overline{HG}$ , $\overline{HG}$ & $\overline{GI}$

(v) $\overline{GH}$ & $\overline{HI}$ , $\overline{HI}$ & $\overline{IK}$ , $\overline{IK}$ & $\overline{KG}$ , $\overline{KG}$ & $\overline{GH}$

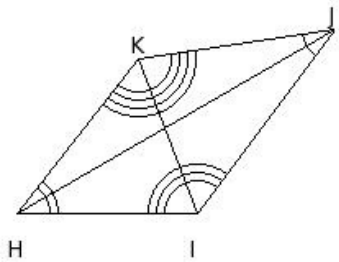
14. The opposite sides of the quadrilateral are




(i) $\overline{EF}$ & $\overline{GH}$ , $\overline{FG}$ & $\overline{HE}$ (ii) $\overline{EG}$ & $\overline{HF}$ , $\overline{GH}$ & $\overline{FE}$ (iii) $\overline{EF}$ & $\overline{HI}$ , $\overline{FH}$ & $\overline{IE}$ (iv) $\overline{EF}$ & $\overline{GI}$ , $\overline{FG}$ & $\overline{IE}$

(v) $\overline{EG}$ & $\overline{FH}$ , $\overline{GF}$ & $\overline{HE}$

15. The adjacent angles of the quadrilateral are

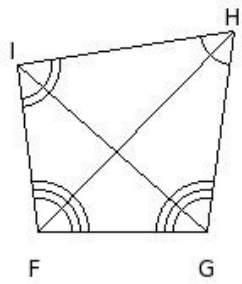



(i) ∠H & ∠J , ∠J & ∠I , ∠I & ∠K , ∠K & ∠H (ii) ∠H & ∠I , ∠I & ∠J , ∠J & ∠K , ∠K & ∠H

(iii) ∠H & ∠J , ∠J & ∠K , ∠K & ∠I , ∠I & ∠H (iv) ∠H & ∠I , ∠I & ∠J , ∠J & ∠L , ∠L & ∠H

(v) ∠H & ∠I , ∠I & ∠K , ∠K & ∠L , ∠L & ∠H

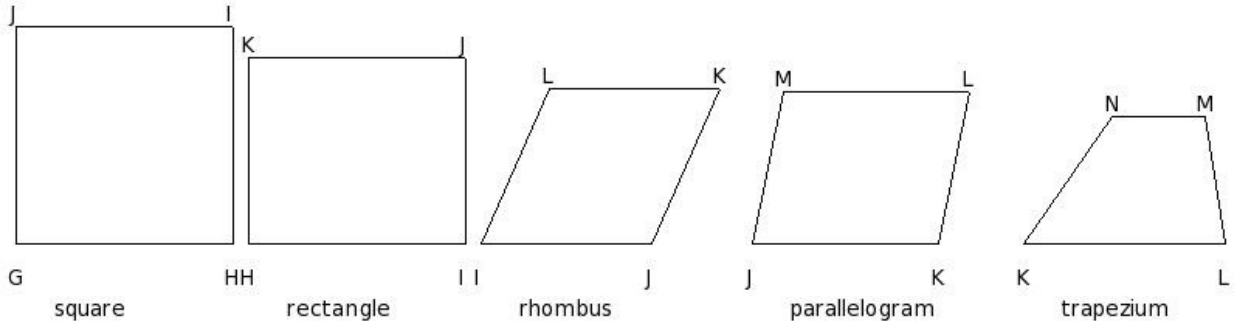
16. The opposite angles of the quadrilateral are




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

(v) ∠F & ∠I , ∠G & ∠J

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




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

18. The measures of three angles of a quadrilateral are $44.42°, 113.75°$ and $56.63°$. Find the fourth angle

(i) 155.2° (ii) 175.2° (iii) 160.2° (iv) 145.2° (v) 150.2°

19. The quadrilateral whose diagonals are equal and are perpendicular bisectors is a

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

20. The diagonals do not divide the quadrilateral into congruent triangles in which figure?

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

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

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

22. The sum of the interior angles of a quadrilateral is

(i) 90° (ii) 270° (iii) 180° (iv) 360°

23. How many diagonals does a quadrilateral have?

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

## Assignment Key

| | | | | | |
|---|---|---|---|---|---|
| 1) (ii) | 2) (i) | 3) (iv) | 4) (i) | 5) (v) | 6) (iii) |
| 7) (iv) | 8) (ii) | 9) (ii) | 10) (iii) | 11) (iii) | 12) (iii) |
| 13) (iii) | 14) (i) | 15) (ii) | 16) (iv) | 17) (iv) | 18) (iv) |
| 19) (iii) | 20) (v) | 21) (iii) | 22) (iv) | 23) (ii) | |

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