Basic Geometrical ideas: Worksheet -7

1. A simple closed figure formed by four line segments is called as _ _ _ _ _ _ _ _

2. A Quadrilateral has _ _ _ _ _ _ _ _ _ _ _ sides.

3. A Quadrilateral has _ _ _ _ _ _ _ _ _ _ _ vertices.

4. A Quadrilateral has _ _ _ _ _ _ _ _ _ _ _ angles.

5. The sides, vertices and angles are called as _ _ _ _ _ _ _ _ _ _ _ of a quadrilateral.

6. In a quadrilateral 'ABCD' the four vertices are _ _ _ _ _ _ _ _ _ , four angles are_ _ _ _ _ _ _ _ _, four sides_ _ _ _ _ _ _ _ , two diagonals are_ _ _ _ _ _ _ _ _ _ _ _ _.

7. In a quadrilateral 'ABCD' If $\angle A = 80^0$, $\angle B = 50^0$, $\angle C = 80^0$ then $\angle D =$ _ _ _

8. In a quadrilateral two sides with common vertex are called as _ _ _ _ _

9. In a quadrilateral two angles with common side are called as _ _ _ _ _ _

10. In a quadrilateral sides opposite to each other are called as_____.

11. In quadrilateral angles opposite to each other are called as_____.

12. In a quadrilateral 'ABCD' the pairs of adjacent sides are _ _ _ _ _ _ , _ _ _ _ _ _ _ _ , _ _ _ _ _ _ _ _ _ _ , and _ _ _ _ _ _ _ _ _ _ _ _ .

13. In a quadrilateral 'DEFG' the pairs of opposite sides are _ _ _ _ _ and _ _ _ _ _ _.

14. In a quadrilateral 'PQRS' the pairs of adjacent angles are _ _ _ _ _ _ , _ _ _ _ _ _ _ , _ _ _ _ _ _ _ _ _ _ _ and _ _ _ _ _ _ _ _ _ _ _ _ .

15. In a quadrilateral 'EFGH' the pairs of opposite angles are _ _ __ and _ _ _ _ _ _ _

16. In a quadrilateral 'ABCD' the pairs of adjacent vertices are _ _ _ _ _ _, _ _ _ _ _ _ _ _ , _ _ _ _ _ _ _ _ _ _ _ _ and _ _ _ _ _ _ _ _ _ _ _ _

17. In a quadrilateral 'STUV' the pairs of opposite vertices are _ __ and _ _ _ _ _ _

18. The line segment which passes through the two opposite vertices of any quadrilateral is called as _ _ _ _ _ _ _ _ _ _ _ _

19. In a quadrilateral 'PQRS' The possible diagonals are _ __ _ _ _ and _ _ _ _ _ _ _ _ _

20. The maximum No. of diagonals in a quadrilateral is _ _ _ _ _ _ _ _ _ _ _ _