



ST. LAWRENCE HIGH SCHOOL



A JESUIT CHRISTIAN MINORITY INSTITUTION

CLASS 8

SUBJECT : Algebra and Geometry

Work sheet 19

Marks:15

Theorem 6 and 7

Date:28.4.2020

Answer all the following questions(1×15=15)

1. The sum of the angles of a parallelogram is ———— degree.
A. 90
B. 180
C.360
2. If one pair of opposite sides of a quadrilateral are parallel then it is called a ———
A. Parallelogram
B. Square
C. Trapezium
3. If both pairs of opposite sides of quadrilateral are parallel then it is called a ———
A. Parallelogram
B. Square
C. Trapezium
4. A diagonal of a parallelogram divides it into two ——— triangles.
A. Similar
B. Congruent
C. Equal
5. In a parallelogram, if one of its angles as a right angle is a ————
A. Rectangle
B. Rhombus
C. Kite
6. Which of the following statement is false?
A. A parallelogram is a trapezium
B. A square is a rectangle
C. A trapezium is a parallelogram
7. The parallelogram with all sides are equal is called —————
A. Rhombus
B. Kite
C. Trapezium
8. The consecutive angles of a parallelogram are ————
A. Complementary
B. Supplementary
C. Equal

9. If diagonals AC and BD intersect at O, then AO and OC is ——— of AC
- A. One third
 - B. Half
 - C. Quarter
10. The two diagonals are equal in a —————
- A. Rectangle
 - B. Parallelogram
 - C. Trapezium
11. If the angles of a quadrilateral are in the ratio 3:5:9: 13, then the four angles are —————
- A. 36, 60, 108, 156
 - B. 40, 60, 120, 140
 - C. 60, 120, 60, 120
12. Which of the following is false about a parallelogram?
- A. Opposite sides are equal
 - B. Diagonals bisect each other
 - C. All the four angles are equal.
13. Two adjacent angles in a parallelogram are in the ratio 1: 2, and then the other two angles are —————
- A. 40, 140
 - B. 60, 120
 - C. 80, 100
14. If $AB = 3\text{cm}$, in parallelogram ABCD, then CD is —————
- A. 3
 - B. 1.5
 - C. 6
15. A quadrilateral is a ————— if its opposite sides are equal.
- A. Kite
 - B. Trapezium
 - C. Parallelogram

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