ST. LAWRENCE HIGH SCHOOL

TOPIC- Properties of Parallelogram

Sub: Mathematics   **Class: 9**   **F. M. 15**

WORK SHEET NO. -9   SOLUTION Date: 16.4.2020

Objective questions :
Choose the correct answer :1x15=15

1) The diagonals of the Parallelogram are_____.
 a) unequal

2) The diagonals of an isosceles trapezium are_____.
 b) equal

3) If the diagonals of the Parallelogram are equal then the Parallelogram will be a
 a) rectangle

4) If the equal diagonals of a quadrilateral bisected each other but are not perpendicular then the quadrilateral will be a
 b) rectangle

5) If the opposite angles of a quadrilateral are equal then it is a
 d) Parallelogram

6) QS is a diagonal of the Parallelogram PQRS. If PQ >QR then <QRS is___ than <PSQ.
 a) less

7) In which of the following figures the diagonals intersects each other at right angle?
 d) rhombus

8) In the Parallelogram ABCD if <ABC =<BCD then the Parallelogram is_____.
 c)rectangular figure

9) The length of the side of a rhombus is 10cm and if the length of one diagonal is 6cm then the length of the other diagonal is

d) 12cm

10) The perimeter of a Parallelogram is 25cm. If the length of the greater side is 7.5cm then the length of its smaller side will be
a) 5cm

11) In which of the following figures the length of the diagonals are equal?
d) rectangle

12) The perimeter of the Parallelogram ABCD is 36cm. If AB =9.5cm then the length of AD is____cm.
a) 8.5

13) The lengths of the diagonals of a rhombus are16cm and12cm. Perimeter of the rhombus is_____cm.
a) 40

14) The lengths of the diagonals of a rhombus are 8cm and 6cm. Find the length of each side of the rhombus?
a) 5cm

15) PQRS is a Parallelogram whose sides PQ =4x+y, QR=13, RS=21, SP=3x-2y. Then
a) x=5,y=1