TOPIC- Area and Perimeter

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

WORK SHEET NO. -13   **Solution**   **Date: 21.4.2020**

Q.1) <u>Choose the correct options:</u>   **1x15=15**

i) If the diagonals of a rhombus are 16cm and 12cm then it's area is

     b)96sqcm

ii) One diagonal of a rhombus is twice the other. If the area is 64sqcm then the length of the diagonals is

     b) 8cm

iii) One diagonal of a rhombus is 6cm. If the area is 24sqcm then the length of its side is

     d) 16cm

iv) The length of a diagonal of a rhombus is 6cm and area is 24sqcm then the length of its side is

     a) 5cm

v) The area of a rhombus is 96sqcm and the length of its one diagonal is 12cm, then the length of other diagonal is

     d) 16cm

vi) The length of one side of the rhombus is 10cm and length of one diagonal is 16cm then it's area is

     d) 96sqcm

vii) The area of a square is_____ the square of the diagonal.

     a)1/2

viii) The perimeter of a rhombus is 10m and if the length of the diagonals is 28m then it's area will be_____ sq m.

     a)96

ix) In the quadrilateral ABCD, AB=5m, BC=12m, CD=14m, DA=15m and <ABC=90 degree. The area of the quadrilateral will be

     c)114sqm

x) The area of a trapezium is 1400sqm. The perpendicular distance between the parallel sides is 20m and the ratio of the Parallel sides is 3:4. The length of the sides are

     a)80m and 60m

xi) The perimeter of a rhombus is 440m and the distance between the parallel sides is 22m. Then the area of the rhombus will be_____sq m.

     d)2420

xii) Area of a trapezium is 1050sqcm. If the ratio of the parallel sides of the trapezium is 2:3 and the distance between them is 28cm then the length of the sides are

     a)30cm and 45cm

xiii) The area of the four walls of a room is 154sqm. If the length and breadth of the room be 6m and 5m then the height of the room is

     d) 7m

xiv) What is the perimeter of a rhombus if it's area and one diagonal is96sqm and 12m?

     a)40m

xv) The length of the diagonals of a rhombus are 12m and 5m. Its perimeter will be

     c)26m

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