Std.: 8 (English)　　　　　　**Mathematics**　　　　　　**Marks: 20**

Date:　　　　　　　　　　　　　　　　　　　**Time: 1 hour**

Chapter: 15

Q.1　Choose the correct alternative.　　　　　　　　　　**(2)**

1)　Area of parallelogram is 48 cm^2. If its height is 6 cm then its base is.

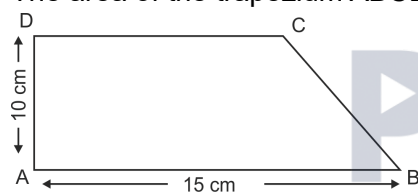　　a. 8 cm　　　　　b. 4 cm　　　　　c. 16 cm　　　　　d. None of there

2)

Area of right angled triangle is = $\frac{1}{2} \times$ .... $\times$ height.

　　a.　　Slant height　　　　　　　　　　　b.　　Base
　　c.　　Diagonal　　　　　　　　　　　　　d.　　Bisector

Q.2　Answer the following questions (any two)　　　　　　**(6)**

1)　Calculate the area of a circular ring enclosed between two circles having radius 6 cm and 12 cm respectively.

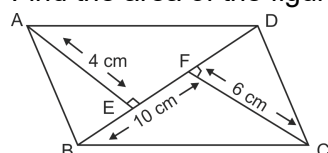**2)**　The area of the trapezium ABCD is 99 cm^2 . Find the length of DC.

3)　The area of a trapezium is 96 cm^2. The length of parallel sides is 18 cm and 14 cm. Find its height.

Q.3　Attempt the following questions. (Any three)　　　　　　**(12)**

1)　The parallel sides of a trapezium are in the ratio 3 : 5. Its height is 16 cm and area is 768 cm^2. Find the length of parallel sides.

2)　The floor of a building consist of 3000 tiles which are rhombus shaped and each of its diagonals are 45 cm and 30 cm in length. Find the cost of polishing the floor at the rate of Rs. 4 per m^2.

3)　Find the area of the figure.

4)　If the base of a right angled triangle is 6 units and the hypotenuse is 10 units. Find its area.