ACTIVITY I

1. The area of the floor of a rectangular hall of length 40 m is 960 sq m. Carpets of size 6 m × 4 m are available. Find how many carpets are required to cover the hall?

2. The perimeter of a square is 48 m. The area of a rectangle is 4 sq. m less than the area of the given square. If the length of the rectangle is 14 m, find its breadth.

3. Find the area of a field in the form of a rhombus, if the length of each side is 14 cm and the altitude is 16 cm.

4. The area of a rhombus is 240 sq. cm and one of the diagonal is 16 cm. Find the other diagonal.

5. The area of a trapezium is 1586 sq. cm and the distance between the parallel sides is 26 cm. If one of the parallel sides is 38 cm, find the other.

6. The area of a field in the form of rhombus is 126 sq. m and its perimeter is 56 m, find its altitude.

ACTIVITY 2: COMPARING QUANTITIES

TOPIC: Difference between simple interest and compound interest.

Description: Calculate simple interest and compound interest on Rs 100000 at 10% per annum for 5 consecutive years and tabulate the data in the following manner.

Year	Principal for S.I.	Principal for C.I.	Simple interest	Compound interest
1				
2				
3				
4				
5				

Make a double bar graph representing S.I. and C.I. and observe the gain in each year and long term benefits of compound interest.