# RYAN INTERNATIONAL SCHOOL, NOIDA EXTENSION WORKSHEET N0.-43

**(AY-2023-24) CLASS -VIII**

# Date: 5.09.23 Subject: Mathematics

**Name: Class: Roll No**

**Area of Polygons**

**Case Study-15**

Monica wants to purchase a plot which is between the road and a canal. Its side along the canal is parallel to and twice the side along the road. If the area of this plot is 12,000 m² and the perpendicular distance between the two parallel sides is 125 m.

1. Identify the shape of the plot.
2. List two properties of the identified shape of the plot.
3. Find the length of the side along the canal.

**Case study -16**

The school is planning to make the visitors wall in the school premises. The lengths of the parallel sides are 1500 m and 200 m respectively while the distance between the parallel lines 1200 m

1. Is trapezium is a parallelogram. Why?
2. What is the formula for area of trapezium?
3. Calculate the cost of painting the wall if the rate is Rs.20 per meter square.

RIS/NE/23-24/CL-8/ Mathematics/WS NO-43