

## TEACHING MATHS BY TIGER METHOD

**WEEK :** FROM JULY 8 TO 12

**CLASS :** 7

**LESSON :** 2. MEASUREMENTS [2.2. Parallelogram]

**PAGES :** 33 - 39

**LEARNING OUTCOMES :** To understand and find the area and perimeter of Parallelogram.

**TEACHING AIDS:**

Parallelogram shapes in Maths kit box, card board cuttings, graph sheets.

### 1. INTRODUCTION : ( 10 minutes)

**A. Motivation**

Introducing parallelogram, rhombus, trapezium by the conversation given at page no. 34

**B. Recalling**

Try these sums which are given at page no 33.

### 2. SURVEY : ( 10 minutes)

Asking the students to read the pages from 35 to 38 and guiding them to notice the main concepts & formulas.

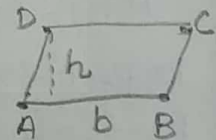
### 3. UNDERSTANDING : ( 15 minutes )

**A. concept**

★ A parallelogram is a four sided closed shape, in which opposite sides are both parallel and equal.

★ The perimeter of a parallelogram is the sum of the lengths of the 4 sides.

★ Area of a parallelogram =  $b \times h$  sq. units  
Whereas  $b$  - base,  $h$  - height.



**B. Teacher solving problems**

1) i), 2) i), ii)



exercise 2.1

**C. Students solving problems**

1) ii), 2) iii)



exercise 2.1

**4. GROUP WORK : ( 10 minutes )**

A. Teacher solving problems  
3), 5)



exercise 2.1

B. Students solving problems  
4), 9), 10)



exercise 2-1.

**5. REINFORCEMENT : ( 15 minutes )**

\* Illustrating to the students how to find out the area of a parallelogram from the area of a rectangle using Maths Kit [which is given by S.S.A.].

**6. EVALUATION : ( 15 minutes )**

1. Find the perimeter of a parallelogram whose **LOT** adjacent sides are 4m and 5m.
2. What is the area of a parallelogram whose **MOT** base 8cm and height 5cm?
3. **HOT** Qn numbers 7, 8, 9, 10 in Challenge problems in exercise no 2.4 at page no 48.

**7. REMEDIAL TEACHING : ( 15 minutes )**

Projecting YouTube videos.. Links below

Area of a parallelogram: <https://youtu.be/YAb4do>

Properties of a parallelogram: <https://youtu.be/x1KlhqNHeJK>

Parallelogram: Perimeter & Area: [https://youtu.be/SH2f\\_ZV7n84](https://youtu.be/SH2f_ZV7n84)

**8. WRITING :**

Exercise 2.1  
6), 7), 8)

**9. FOLLOW UP WORK :**

Try these sums given at page no 36.