**EMERALD ROYAL INTERNATIONAL SCHOOL.**

**Lesson Plan/Note for Week One (1) Ending**

**20th January 2023**

**Term:** 2nd

**Week:** Two

**Date:** 16th to 20th January 2023

**Class:** Grade 4

**Subject:** Mathematics

**Topic:** Perimeter

**Sub-topic:** Perimeter of Rectangles

**Period:** 5TH

**Time:** 11:10 – 11:50

**Duration:** 40 minutes

**Number in class:** 12

**Average age:** 7+

**Sex:** Mixed

**Specific objectives:** By the end of the lesson, pupils should be able to:

1. Define perimeter
2. Find the perimeter of rectangles using formula
3. Solve word problems on Perimeter of Rectangles

**Rationale:** To ensure that the pupils learn how to measure the perimeter of rectangles

**Previous knowledge:** The pupils are familiar with various shapes

**Instructional resources:** A chart showing the perimeter of a rectangle and a metre rule for measurement.

**Reference:** New General Mathematics for primary schools, primary 5 by J Aderohunmu, A Arigbabu, W Colyn, B Johns, J Philander

**LESSON DEVELOPMENT**

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| --- | --- | --- | --- |
| **STEPS** | **TEACHER’S ACTIVITIES** | **PUPILS’ ACTIVITIES** | **LEARNING POINTS** |
| **Introduction** | The teacher begin the lesson by asking the pupils to identify the various shapes in the classroom | The pupils identify the various shapes in the classroom | To arouse the pupils interest for the lesson |
| **Step I** | *Definition Of Perimeter*  Perimeter is defined as the total length of all the sides and edges of a figure. It is measured in metres (m) or centimetres (cm). The total length of all the sides of a figure or shape can be measured using a thread and rule, tape or measuring wheel. | The pupils participate in the definition. | This is to ensure that the pupils understand the concept and definition of perimeter |
| **Step II** | *Perimeter of Rectangles*  A B  C D  ABCD is a rectangle with equal opposite sides. That is;  AB = CD and AC = BD  The perimeter of a rectangle is the distance all round.  AB + BC + CD + DA  = l + b + l + b  = 2l + 2b  = 2(l + b)  Therefore the perimeter of a rectangle is twice the sum of its length and width.  **Example 1**  Calculate the perimeter of a rectangle whose length is 12cm and width is 8.5cm.  *Solution*  Length = 12cm  Width = 8.5cm  Perimeter = 2(l + b)  = 2(12 + 8.5)  = 2 (20.5)  = 41cm  **Example 2**  A rectangular lawn is 20m long and 7m wide. Kike walked round the lawn four times. What distance did she cover in kilometers?  *Solution*  Length = 20m  Width = 7m  Perimeter = 2 (l +b)  = 2 ( 20 + 7)  = 2 × 27  = 54m  Since Kike walked round the lawn for four times, she covered a distance of 4 × 54m  = 216m  To convert to kilogram, we divide by 1000  =  = 0.216km | The pupils listen attentively to the teacher’s explanation | To ensure proper understanding of the lesson. |
| **Step III** | *Word problems on perimeter of rectangles*  **Example 1**  Kayode wants to put a rope round his rectangular garden with sides 15m by 5m. What length of rope must he have?  *Solution*  P = 2 (l + b )  P = 2 ( 15 + 5)  P = 2 (20)  P = 40m.  Example 2  A rectangular farmland is 500m long. The perimeter of the land is 2.5km. Find the width of the farmland.  *Solution*  l = 500m  P = 2.5km = 2.5 × 1000  = 2,500m  w =?  P = 2 (l + b)  2,500 = 2 ( 500 + w)  2,500 = 1000 + 2w  2,500 – 1,000 = 2w  1,500 = 2w  w =  w = 750m | The pupils copy the note in their exercise books | For reference purpose. |
| **Evaluation** | The teacher evaluates the pupils by giving them the following classwork.  Calculate the perimeter of the rectangle whose length is 50cm and width is 20cm. | The pupils solve the classwork in their exercise books. | To ascertain the pupils level of understanding of the lesson. |
| **Conclusion** | The teacher marks the classwork and makes the necessary correction of the classwork on the board. | The pupils copy the correction and submit for endorsement. | To ensure proper understanding of the lesson. |
| **Assignment** | The teacher gives the pupils the following assignment.  Copy and complete the table below   |  |  |  |  | | --- | --- | --- | --- | | Length | Width | | Perimeter | | 21cm | | 13cm | \_\_\_\_\_\_ | | \_\_\_\_\_\_ | | 2.2m | 11.4m | | 35cm | | \_\_\_\_\_ | 92cm | | \_\_\_\_\_\_ | | 10.5m | 58m | | 100cm | | 50cm | \_\_\_\_\_\_ | | The pupils copy the question. | To test the pupils level of understanding. |



20th January, 2023

Deputy Head Instructor Admin

APPROVED!