**EMERALD ROYAL INTERNATIONAL SCHOOL.**

**Lesson Plan/Note for Week Two (2) Ending**

**20th January 2023**

**Term:** 2nd

**Week:** One

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

**Class:** Grade 4

**Subject:** Mathematics

**Topic:** Perimeter

**Sub-topic:** Perimeter of Squares

**Period:** 4th & 5th

**Time:** 10:30 - 11:50

**Duration:** Double period of 40 minutes each

**Number in class:** 12

**Average age:** 9+

**Sex:** Mixed

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

1. Define a square
2. Calculate the perimeter of a square
3. Solve word problems on perimeter of a square

**Rationale:** To teach the pupils understand how to calculate the perimeter of a square.

**Previous knowledge:** The pupils have been taught perimeter of a rectangle in their previous lesson.

**Instructional resources:** A chart showing triangles of different sizes.

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

**LESSON DEVELOPMENT**

|  |  |  |  |
| --- | --- | --- | --- |
| **STEPS** | **TEACHER’S ACTIVITIES** | **PUPILS’ ACTIVITIES** | **LEARNING POINTS** |
| **Introduction** | The teacher begin the lesson by asking the pupils to identify the various denominations of the Nigerian currency. | The pupils identify the displayed denominations of the currency displayed before them. | To arouse the pupils interest for the lesson |
| **Step I** | *Definition Of Square*  A square is a rectangle with four equal sides.  A B    C D  ABCD is a square with all sides equal. That is,  AB = BC = CD = DA  The perimeter of a square is the distance all round.  AB + BC + CD + DA = s + s + s + s = 4s | The pupils participate in the definition. | This is to ensure that the pupils understand the concept of profit and loss. |
| **Step II** | *Perimeter of Squares*  Example 1  Calculate the perimeter of a square whose side is 15cm  *Solution*  Perimeter of squares = 4s  S = 15cm  P = 4 ×15cm  P = 60cm  Example 2  The perimeter of a square is 40cm. Find the length of the sides.  *Solution*  P = 4s  P = 40cm  s =?  40 = 4s  Divide both sides by the coefficient of s i.e. 4    S = 10cm | The pupils copy the note in their exercise books | For reference purpose |
| **Step III** | *Word problems on perimeter of a square*  **Example 1**  A square tile has a length and breadth of 4cm. What is its perimeter?  *Solution*  P = 4s  P = 4 × 4  P = 16cm  **Example 2**  The perimeter of a carpet is 65cm. Find the length of its sides.  *Solution*  P = 4s  65 = 4s  s =  s = 16.25cm | The pupils listen to the teacher’s explanation. | To enable the pupils understand the lesson. |
| **Evaluation** | The teacher evaluates the pupils by giving them the following classwork.  Calculate the perimeter of a square with sides 10.5cm. | 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 on the board. | The pupils copy the correction | For better understanding. |
| **Assignment** | The teacher gives the following assignment.  Copy and complete the table below.   |  |  | | --- | --- | | Sides | Perimeter | | 6.5cm |  | |  | 40m | |  | 65m | |  | 30cm | | 8.8m |  | | The pupils copy the question. | To ensure the pupils understand the lesson. |



20th January, 2023

Deputy Head Instructor Admin

APPROVED!