**EMERALD ROYAL INTERNATIONAL SCHOOL.**

**Lesson Plan/Note for Week Three (3) Ending**

**27th January 2023**

**Term:** 2nd

**Week:** Three

**Date:** 20th to 27th January 2023

**Class:** Grade 4

**Subject:** Mathematics

**Topic:** Circle

**Sub-topic:** Circumference of circles

**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 a circle and other parameters
2. Measure the diameter and circumference of a circle

**Rationale:** To ensure that the pupils learn how to measure the circumference of a circle

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

**Instructional resources:** A chart showing the circumference of a circle as well as other parts

**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 shapes in the classroom | The pupils identify the various shapes in the classroom | To arouse the pupils interest for the lesson |
| **Step I** | *Definition a Circle and other parameters*  A circle is a 2-D shape. It is a set of points that are all the same distance from a fixed point. Example is a ring, a cup rim, a bottle top etc.  A semi-circle is half of a circle  A radius is a straight line from the center to the circumference of a circle.  Circumference is the line round the circle. It is also the perimeter of a circle. | The pupils participate in the definition. | This is to ensure that the pupils understand the concept and definition of perimeter |
| **Step II** | *Circumference of a circle*  Parts of a circle  Circumference    Diameter  Radius  Circumference | The pupils copy the note in their exercise books | For reference purpose |
| **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 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 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. |



27th January, 2023

Deputy Head Instructor Admin

APPROVED!