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| **THEME:** | Rational and Irrational numbers |
| **DATE**: | 02– 10 – 2024 |
| **CLASS**: | Js 3 |
| **TIME**: | 8:40-09:20am |
| **DURATION** | 40 MINUTES |
| **SUBJECT**: | Mathematics |
| **UNIT TOPIC:** | Rational and Irrational numbers |
| **LESSON TOPIC:** | Finding reciprocals |

**SPECIFIC OBJECTIVE**: By the end of the lesson, students should be able to

1. Define the reciprocal of a number
2. Find reciprocals of numbers
3. Differentiate between Rational and Irrational number

**INSTRUCTIONAL RESOURCES:**  Rational and Irrational Numbers Chart and Venn Diagram

**LESSON PRESENTATION**

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| **STEP 1** | **PREVIOUS KNOWLEDGE:** learners were taught the meaning proportion in math and the calculations and applications on inverse proportions | | Students recall. |
| **STEP 2** | **EXPLORATION:**  The teacher introduces the topic with the following questions:   1. What is rational and irrational number? 2. Can you differentiate between rational and irrational numbers? | | Students make attempt to answer the questions. |
| **STEP 3**  **Objective 1;**  **Objective 2;**  **Objective 3;** | **DISCUSSION:**  ***Teacher starts the discussion:***  The reciprocal of a number is simply 1 ÷ by that number.  The product of any number and its reciprocal is 1. Thus, the reciprocal of a number is its multiplicative inverse.  Examples.  Find the reciprocal of the following   1. 7 2. 28   Solution   1. The reciprocal of 7 is 2. The reciprocal of 28 is 3. The reciprocal of 4. The reciprocal of | | Students listen attentively and take down notes. |
| **STEP 4** | **APPLICATION:**  Calculate the reciprocal of 0.58.  Solution  The reciprocal of 0.58 is | | Students ask questions on the topic which the teacher answers. |
| **STEP 5** | **EVALUATION:** the teacher evaluates the students with the following questions:   1. What is the reciprocal of a number? 2. Find the reciprocal of the following numbers 3. 0.45 | | The students answer the questions. |
| **Assignment**  Find the reciprocal of the following   1. 99 2. 0.125   **References**  **New concept mathematics for Jss3 by A. A. Arigbabu et al.**  **New general mathematics for Jss3 by M/ F. Macrae et al.** | |  |