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| **DAILY LESSON PLAN**  **MATHEMATICS FORM 1** | | | | |
| **CLASS** |  | | **DAY** | Choose an item. |
| **WEEK** | Choose an item. | | **TIME** |  |
| **DATE** | Click or tap to enter a date. | | **DURATION (minutes)** |  |
| **LEARNING AREA** | Number and Operations | | | |
| **UNIT/TOPIC** | Rational Numbers | | | |
| **CONTENT**  **STANDARDS** | 1.1 Integers | **LEARNING STANDARDS** | | 1.1.1 – 1.1.4 |
| **LEARNING OBJECTIVES** | **At the end of learning, students will be able to:**   * Recognise positive and negative numbers based on real-life situations. * Recognise and describe integers. * Represent integers on number lines and make connections between the values and positions of the integers with respect to other integers on the number line. * Compare and arrange integers in order. | | | |
| **ACTIVITY** | **Starter:**  Teacher explains the concept of number and operations. Teacher also relates numbers and operations to real-life situations such as movement to the left and right, up and down.  **Activity:**   1. Teacher gives some situations to the students. 2. Students identify whether the situation can be represented by a positive integer or a negative integer. 3. Students answer the related questions.   **Closure:**  Teacher gives exercise to students. | | | |
| **REFLECTION** | Students were able to achieve the learning objectives successfully.  Students were able to achieve the learning objectives with guidance.  Students were not able to achieve the learning objectives. | | | |

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| **CLASS** |  | | **DAY** | Choose an item. |
| **WEEK** | Choose an item. | | **TIME** |  |
| **DATE** | Click or tap to enter a date. | | **DURATION (minutes)** |  |
| **LEARNING AREA** | Number and Operations | | | |
| **UNIT/TOPIC** | Rational Numbers | | | |
| **CONTENT**  **STANDARDS** | 1.2 Basic Arithmetic Operations Involving Integers | **LEARNING STANDARDS** | | 1.2.1 – 1.2.6 |
| **LEARNING OBJECTIVES** | **At the end of learning, students will be able to:**   * Add and subtract integers using number lines or other appropriate methods. Hence, make generalization about addition and subtraction of integers. * Multiply and divide integers using various methods. Hence make generalisation about multiplication and division of integers. * Perform computations involving combined basic arithmetic operations of integers by following the order of operations. * Describe the laws of arithmetic operations which are Identity Law, Communicative Law, Associative Law and Distributive Law. * Perform efficient computations using the laws of basic arithmetic operations. * Solve problems involving integers. | | | |
| **ACTIVITY** | **Starter:**  Teacher guides students in making efficient calculations using the basic laws of arithmetic operations.  **Activity:**   1. Teacher explains about basic arithmetic operations involving integers. 2. Students are asked to write a brief note on a piece of paper about the topic explained by the teacher. 3. Students paste the note on the notice board. 4. Students answer the related questions.   **Closure:**  Students and teacher summarize today’s lesson. | | | |
| **REFLECTION** | Students were able to achieve the learning objectives successfully.  Students were able to achieve the learning objectives with guidance.  Students were not able to achieve the learning objectives. | | | |

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| **CLASS** |  | | **DAY** | Choose an item. |
| **WEEK** | Choose an item. | | **TIME** |  |
| **DATE** | Click or tap to enter a date. | | **DURATION (minutes)** |  |
| **LEARNING AREA** | Number and Operations | | | |
| **UNIT/TOPIC** | Rational Numbers | | | |
| **CONTENT**  **STANDARDS** | 1.3 Positive and Negative Fractions | **LEARNING STANDARDS** | | 1.3.1 – 1.3.4 |
| **LEARNING OBJECTIVES** | **At the end of learning, students will be able to:**   * Represent positive and negative fractions on number lines. * Compare and arrange positive and negative fractions in order. * Perform computations involving combined basic arithmetic operations of positive and negative fractions by following the order of operations. * Solve problems involving positive and negative fractions. | | | |
| **ACTIVITY** | **Starter:**  Teacher explains how to represent positive and negative fractions on the number line.  **Activity:**   1. Teacher asks the students to draw a number line of positive fractions and negative fractions. 2. Students label the parts of positive fractions and negative fractions. 3. Teacher asks the students to answer the related questions.   **Closure:**  Teacher facilitates a discussion for all the answers. | | | |
| **REFLECTION** | Students were able to achieve the learning objectives successfully.  Students were able to achieve the learning objectives with guidance.  Students were not able to achieve the learning objectives. | | | |

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| **DAILY LESSON PLAN**  **MATHEMATICS FORM 1** | | | | |
| **CLASS** |  | | **DAY** | Choose an item. |
| **WEEK** | Choose an item. | | **TIME** |  |
| **DATE** | Click or tap to enter a date. | | **DURATION (minutes)** |  |
| **LEARNING AREA** | Number and Operations | | | |
| **UNIT/TOPIC** | Rational Numbers | | | |
| **CONTENT**  **STANDARDS** | 1.4 Positive and Negative Decimals | **LEARNING STANDARDS** | | 1.4.1- 1.4.4 |
| **LEARNING OBJECTIVES** | **At the end of learning, students will be able to:**   * Represent positive and negative decimals on number lines. * Compare and arrange positive and negative decimals in order. * Perform computations involving combined basic arithmetic operations of positive and negative decimals by following the order of operations. * Solve problems involving positive and negative decimals. | | | |
| **ACTIVITY** | **Starter:**  Teacher explains calculations involving the combination of basic arithmetic operations for positive and negative decimals following the order of operations.  **Activity:**   1. Teacher asks the students to draw a number line of positive decimals and negative decimals. 2. Students label positive decimals and negative decimals. 3. Teacher checks the number line drawn and corrects any mistakes made. 4. Teacher asks the students to answer the related questions.   **Closure:**  Teacher gives exercises to students. | | | |
| **REFLECTION** | Students were able to achieve the learning objectives successfully.  Students were able to achieve the learning objectives with guidance.  Students were not able to achieve the learning objectives. | | | |

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| **CLASS** |  | | **DAY** | Choose an item. |
| **WEEK** | Choose an item. | | **TIME** |  |
| **DATE** | Click or tap to enter a date. | | **DURATION (minutes)** |  |
| **LEARNING AREA** | Number and Operations | | | |
| **UNIT/TOPIC** | Rational Numbers | | | |
| **CONTENT**  **STANDARDS** | 1.5 Rational Numbers | **LEARNING STANDARDS** | | 1.5.1 – 1.5.3 |
| **LEARNING OBJECTIVES** | **At the end of learning, students will be able to:**   * Recognise and describe rational numbers. * Perform computations involving combined basic arithmetic operations of rational numbers by following the order of operations. * Solve problems involving rational numbers. | | | |
| **ACTIVITY** | **Starter:**  Teacher explains ratios and guides students in solving problems involving ratios.  **Activity:**   1. Students are divided into several groups. 2. Teacher gives a combination of operations questions involving ratio numbers to each group. 3. Students discuss the solution to the given question. 4. Students present the solutions to classmates from other groups.   **Closure:**  Teacher provides a lesson conclusion to students. | | | |
| **REFLECTION** | Students were able to achieve the learning objectives successfully.  Students were able to achieve the learning objectives with guidance.  Students were not able to achieve the learning objectives. | | | |