## FIRST TERM <br> WEEKLY LESSON NOTES <br> WEEK 9

| Week Ending: 30-1I-2023 |  | DAY: | Subject: Mathematics |  |
| :---: | :---: | :---: | :---: | :---: |
| Duration: 100MINS |  |  | Strand: Number |  |
| Class: B9 |  | Class Size: | Sub Strand: Fractions, Decimals and Percentages |  |
| Content Standard: <br> B9.1.3.I Apply the understanding of operations on fractions to solve problems involving fractions of given quantities and round the results to given decimal and significant places |  | Indicator: <br> B9.I.3.I. 2 Add and/or subtract, multiply and/or divide given fractions, using the principle of order of operations including the use of the BODMAS or PEMDAS rule, and apply the understanding of these to solve problems. |  | Lesson: <br> I of 2 |
| Performance Indicator: <br> Learners can add, subtract, multiply, and divide given fractions using the principles of the order of operations (BODMAS or PEMDAS). |  |  | Core Competencies: <br> Communication and Collaboration (CC) <br> Critical Thinking and Problem solving (CP) |  |
| References: Mathematics Curriculum Pg. 170 |  |  |  |  |
| New words: Fractions, Numerator, Denominator, Operations |  |  |  |  |
| Phase/Duration | Learners Activities |  |  | Resources |
| PHASE I: STARTER | Begin the lesson with a quick review of the order of operations (BODMAS or PEMDAS). Write a simple expression on the board, such as $3+5 \times 2$, and ask learners to solve it. <br> Discuss their solutions and introduce the concept of performing operations in a specific order. <br> Share performance indicators and introduce the lesson. |  |  |  |
| PHASE 2: NEW LEARNING | Divide the class into small groups. <br> Provide each group with fraction cards and ask them to create and solve different fraction expressions using addition, subtraction, multiplication, and division. <br> Emphasize the importance of following the order of operations. Walk around the class, offering guidance and clarification as needed. <br> Introduce expressions involving both whole numbers and fractions. <br> Write a few examples on the board and solve them together as a class. <br> Discuss the steps involved and the application of the order of operations. <br> Example: Solve $\frac{3}{5}+2$ <br> Solution |  |  | Fraction cards |



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| Class: B9 |  | Class Size: | Sub Strand: Fractions, Decimals and Percentages |  |
| Content Standard: <br> B9.I.3.I Apply the understanding of operations on fractions to solve problems involving fractions of given quantities and round the results to given decimal and significant places |  | Indicator: <br> B9.I.3.I. 2 multiply and/or divide given fractions, using the principle of order of operations including the use of the BODMAS or PEMDAS rule, and apply the understanding of these to solve problems. |  | Lesson: <br> 2 of 2 |
| Performance Indicator: <br> Learners can use the order of operations (BODMAS or PEDMAS) to simplify expressions involving fractions with more than two operations. |  |  | Core Competencies: <br> Communication and Collaboration (CC) Critical Thinking and Problem solving (CP) |  |
| References: Mathematics Curriculum Pg. 170 |  |  |  |  |
| New words: Fractions, Equivalent fractions, Simplest form, Mixed number |  |  |  |  |
| Phase/Duration | Learners Activities |  |  | Resources |
| PHASE I: STARTER | Begin the lesson with a quick review of the order of operations (BODMAS or PEDMAS). Write a simple expression on the board, such as $\frac{3}{5}+2 \times 4$, and ask learners to solve it. <br> Discuss their solutions and introduce the concept of performing operations in a specific order. <br> Share performance indicators and introduce the lesson. |  |  |  |
| PHASE 2: NEW LEARNING | Divide the class into small groups. Provide each group with fraction cards and index cards containing expressions with multiple operations. <br> Ask each group to work together to simplify the expressions, focusing on following the order of operations. Encourage discussions and collaboration within the groups. <br> Invite each group to present their solutions to the class. <br> Discuss different approaches and highlight the importance of order when simplifying expressions with fractions and multiple operations. <br> Write questions on the board with expressions involving fractions and multiple operations. <br> Work through a few examples as a class, guiding learners through each step of the process. <br> Example: Solve $\frac{2}{3}+\frac{1}{4} * 2-\frac{1}{6}$ <br> Solution |  |  | Index cards with expressions involving fractions and multiple operations |



