

## Lesson Plan

Grade/Class	SEVEN	Date	28/10/2020
Topic	ORDER OF OPERATIONS	Time	110 MINUTES (2 CLASSES)
Unit title	FRACTIONS, DECIMALS AND PERCENT	Designer	PAMELA SARFO

### Lesson Outcomes

#### Essential Understandings

*The students will know:*

- The principles of operations and algorithms used with whole numbers also apply to order of operations with decimals.

#### Essential Questions

- How can one divide decimals by decimals?

#### Curricular Outcomes

*The student will be able to:*

- Outline the steps using BEDMAS to solve order of operations of decimals.
- Know terms like Brackets for B, Exponent for E, Division for D, Multiplication for M, Addition for A, Subtraction for S.

#### Cross-Curricular/Real World Connections

- Decimals and percent = money and budgeting of taxes, discounts/sale price.

### To

Resources referenced, handouts, ICT equipment, etc.

- Print the order of operations of decimals worksheet 3.6 for students.
- Get colour notes and extra pencils available.
- Get Math Minute (number 33) ready on the board.
- Get few examples ready on the board to work through with students.
- Extra copies

### Differentiation Strategies

Consider cultural diversity, adaptations, and groupings

- Students will use calculators to check their final answer.
- Students will show all work using the multiplication table in their Math Notebook.
- Students will be given more examples to work. The more students work examples, the easier it gets, understanding the concept of dividing decimals.
- I will observe to see if students are getting the concept by examining their notes.

### Assessment Evidence

#### Assessment **FOR** learning

Students will work on the common formulative worksheet #7.

#### Assessment **AS** learning

Students will self assess themselves.

On scale of 3-1, assess yourself.  
Where  
3 - I totally understand,  
2- I think I am okay,  
1- I have a problem.

#### Assessment **OF** learning

Students will formally be assessed on worksheet 3.6 (order of operations of decimals).

Learning Plan		
<b>Activating</b>	<ul style="list-style-type: none"> <li>Students will solve Math Minute 33 on the board. I will complete the task with the class after 10 minutes.</li> <li>I will write three examples on the board. Here, students will now be introduced to the terms associated with BEDMAS.</li> <li>Students will be provided with a step-by-step approach on how to solve order of operations of decimals by using the whole number method/strategy with the three examples I will provide on the board.</li> </ul>	<b>Timeline</b>  <b>20minutes</b>
<b>Acquiring</b>	<ul style="list-style-type: none"> <li>With the strategy we used in solving the whole numbers, we will use it to solve the decimal numbers.</li> <li>Students will go ahead and solve questions in their practice workbook.</li> </ul>	<b>35minutes</b>
<b>Applying</b>	<ul style="list-style-type: none"> <li>Students will be able to solve the examples provided in worksheet 3.6 (order of operations of decimals)</li> </ul> <p><b>NB:</b> students who do not finish their practice will finish before they start with worksheet 3.6.</p>	<b>55minutes</b>
<b>Reflections about the lesson:</b>		