

## Grade 6: Mathematics

### Unit 2: Fractions, Decimals and Percentages - Oh My!

**Start:** Mid October-Mid November

**Duration:** 6 weeks

#### LEARNING EXPERIENCES:

##### Students will learn:

- forms of numbers - fractions, decimals, and percentages.
- all operations with fractions, decimals, and percentages.
- rounding of decimals and approximation.
- interpreting decimal representations.
- multiply and divide by powers of 10.
- word problems and applications with fractions, decimals, and percentages

<b>KEY CONCEPT:</b>	<b>FORM</b>
<b>RELATED CONCEPTS:</b>	<b>QUANTITY, EQUIVALENCE</b>

<b>STATEMENT OF INQUIRY</b>	<b>Inequality</b> and <b>difference</b> become clearer through the use of different <b>forms</b> of <b>quantities</b> .
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#### INQUIRY QUESTIONS:

<b>Factual:</b>	What are different forms of numbers? When are two things equal?
<b>Conceptual:</b>	How can different forms be equivalent? When is it beneficial to use different forms?
<b>Debatable:</b>	Can fairness be calculated?

#### OBJECTIVES AND ASSESSMENT CRITERIA:

<b>A: Knowing and Understanding</b>	Students will: <ul style="list-style-type: none"> <li>i. select appropriate mathematics when solving problems in both familiar and unfamiliar situations.</li> <li>ii. apply the selected mathematics successfully when solving problems.</li> <li>iii. solve problems correctly in a variety of contexts.</li> </ul>
<b>B: Investigating Patterns</b>	Students will: <ul style="list-style-type: none"> <li>i. apply mathematical problem-solving techniques to recognize patterns.</li> <li>ii. describe patterns as relationships or general rules consistent with findings</li> <li>iii. verify whether the pattern works for other examples.</li> </ul>
<b>C: Communicating</b>	Students will: <ul style="list-style-type: none"> <li>i. use appropriate mathematical language (notation, symbols and terminology) in both oral and written statements.</li> <li>ii. use appropriate forms of mathematical representation to present information.</li> <li>iii. communicate coherent mathematical lines of reasoning.</li> <li>iv. organize information using a logical structure.</li> </ul>
<b>ATLs</b>	Thinking, Reflective and Self-management

#### RESOURCES:

MS Teams /Laptops/ MyiMaths/Quizizz/Khan Academy/ManageBac.

#### SUMMATIVE ASSESSMENT:

Criteria A, B and C.