

Grade 7

Distance Learning Module 9: Week of: 6/1/2020-6/5/2020

**Grade 7 Mathematics - Modified from Unit 1 - Building Blocks**

**Targeted Goals from Stage 1: Desired Results**

**Content Knowledge:** Solve word problems leading to equations of the form  $px + q = r$  and  $p(x + q) = r$ , where  $p$ ,  $q$ , and  $r$  are specific rational numbers. Solve equations of these forms fluently. Compare an algebraic solution to an arithmetic solution, identifying the sequence of the operations used in each approach. For example, the perimeter of a rectangle is 54 cm. Its length is 6 cm. What is its width?

**Vocabulary:** Integers, Distributive Property, Combining Like Terms, Coefficient, Term, Constant, Simplify

**Skills:** Students will be able to solve equations containing integers, distributive property and combining like terms.

**Expectation:**

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
<p>Monday:</p> <p>Review: Computing with Integers</p> <p>To Do:</p> <ul style="list-style-type: none"> <li>-Review Computing w/ Integers Notes (5 min)</li> <li>-Play Spider Match Game or Hooda Timed Tests (5 minutes)</li> <li>-Optional Khan Practice (Find the Missing Value)</li> <li>-Complete Khan Academy Practice (3 assignments = 15 total problems)</li> </ul>	<p>Review Computing with Integers - Notes</p> <p>Spider Match Game</p> <p>Hooda Timed Tests - Use the Mixed Operations Game(you could compete against a friend)</p> <p>Khan Academy Practice: Addition and Subtraction: Find the Missing Value(Optional)</p>	<p>Khan Academy Practice: Adding and Subtracting Integers</p> <p>Khan Academy Practice: Multiplying Integers</p> <p>Khan Academy Practice: Dividing Integers</p>
<p>Tuesday:</p> <p>Review: Solving Equations</p> <p>To Do:</p>	<p>Great Notes, Vocabulary Review and Examples</p> <p>Worksheet #1: Solving Equations Practice</p>	<p>Khan Academy Practice: Solving One Step Equations with Addition and Subtraction</p> <p>Khan Academy Practice: Solving One Step Equations with Multiplication and Division</p>

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
<ul style="list-style-type: none"> <li>-Review the Notes (First Link)</li> <li>-Worksheet #1: Do #9-17 (check answers!)</li> <li>-Online Quiz (Optional)</li> <li>-Khan Academy Practice Problems (2 assignments)</li> </ul>	<p>Online Quiz (Optional)</p>	
<p>Wednesday:</p> <p>Review: Distributive Property and Combining Like Terms</p> <p>To Do:</p> <ul style="list-style-type: none"> <li>-Review BOTH Links with Notes and Examples</li> <li>-Worksheet #1: Do any 5 problems (varying difficulty and correct)</li> <li>-Worksheet #2: Do any 5 problems (varying difficulty and correct)</li> <li>-Challenge Link - OPTIONAL</li> <li>-Complete Google Form and Submit!</li> </ul>	<p>Notes on Distributive Property with Examples</p> <p>Distributive Property and Combining Like Terms Notes and Examples</p> <p>Worksheet #1: Distributive Property Practice Problems Do any 5 problems (varying difficulty and correct)</p> <p>Worksheet #2: Combining Like Terms Practice Problems Do any 5 problems (varying difficulty and correct)</p> <p>Challenge: Distributive Property with Variables (negative numbers)</p>	<p>Complete Google Form and Submit!</p>
<p>Thursday:</p> <p>Review Distributing and Combining Like Terms</p> <p>To Do:</p> <ul style="list-style-type: none"> <li>-Watch Video</li> <li>-Worksheet #1: #21-26 (check answers)</li> <li>-Khan Academy Practice Problems</li> </ul>	<p>Video: Distributing with Combining Like Terms</p> <p>Worksheet #1: Distributing and CLT #21-26</p>	<p>Khan Academy Practice: Equivalent Expressions: Negative Numbers and Distribution</p>
<p>Friday:</p> <p>Solving Equations with Distributing/CLT</p>	<p>Video: Solving Equations with Distributive Property and CLT</p> <p>Notes and Examples - Excellent!</p>	<p>Khan Academy Practice: Two-Step Equations</p>

Description of Task (s):	Resources and Materials:	Daily Checks (Return to Google Classroom or snapshots from a cell phone)
To Do: -Watch Video -Review Notes and Examples -Khan Academy Practice		

**Week criteria for success** (attach student checklists or rubrics):

- 1) I will be able to add, subtract, multiply and divide positive and negative integers.
- 2) I will be able to solve one step equations with integers.
- 3) I will be able to simplify expressions using the distributive property.
- 4) I will be able to simplify expressions by combining like terms.
- 5) I will be able to solve two step equations with integers, distributive property and combining like terms.

**Supportive resources and tutorials for the week** (plans for re-teaching):

- 1) Notes with Vocabulary and Examples
- 2) Attend live sessions
- 3) Watch Videos provided.
- 4) Ask teacher for help.