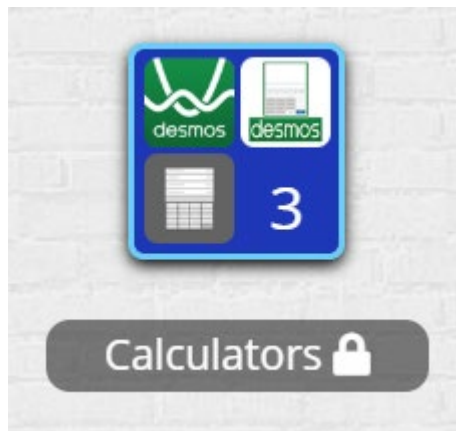


# Rising Coordinate Algebra Summer Math Packet

Dear Parents,

Rockdale County Public Schools is committed to providing the best math education possible for your child. Due to the cumulative nature of mathematics, in order for your child to be successful in the coming school year, he/she must possess mastery of many concepts from his/her previous math classes. For this reason, we have created a summer math packet to ensure your child is up to date on his/her prerequisite math skills.

1. Complete the practice problems embedded in the summer packet **for the students who will be enrolled in Coordinate Algebra during the Fall of 2020**. The use of DESMOS calculator can be found in their ClassLink calculator link on their laptop.



2. Students will submit their answers to the practice problems by clicking a link to a Microsoft Form. Answers will be checked and students will be given automatic feedback to see whether their answer is correct or incorrect.
3. The use of [www.khanacademy.org](http://www.khanacademy.org) can be helpful for students to use. Type in the learning target topic(s) in the search menu. Here, your son/daughter will find tutorials and extra practice problems. Have him/her watch the tutorials and do the extra practice problems. This website will let your child know if he/she is doing the work correctly.

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1. Has provided these links to External Sites for your convenience only;
2. Has no control over these External Sites;
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Further, you acknowledge and agree that the District shall not be responsible or liable, either directly or indirectly, for any error, damage or loss caused by or in connection with your use of or reliance on any content, goods, or services available on or through these External Sites.

# Week 1

<b>Prerequisite Skill:</b> Number Sense (Place Value)	<b>Learning Targets:</b> <ul style="list-style-type: none"><li>✓ I can identify the place value of every digit in a number written in standard form.</li><li>✓ I can translate a number from a verbal representation.</li><li>✓ I can translate a mixed number from a verbal representation.</li></ul>
<b>Instructional Videos:</b> Watch the videos below for additional help with the prerequisite skills (press Ctrl and click to follow the link).  <a href="#">Place Value and Reading Whole Numbers</a> <a href="#">Place Value and Reading Numbers with Decimals</a>	
<b>Practice Problems:</b>  <a href="#">CLICK HERE</a> to complete the practice problems (press Ctrl and click to follow the link).	

<b>Prerequisite Skill:</b> Fluency	<b>Learning Targets:</b> <ul style="list-style-type: none"><li>✓ I can order fractions, decimals, and percentages.</li><li>✓ I can convert between fractions, decimals, and percentages.</li><li>✓ I can identify greatest common factors.</li><li>✓ I can identify least common multiples.</li></ul>
<b>Instructional Videos:</b> Watch the videos below for additional help with the prerequisite skills (press Ctrl and click to follow the link).  <a href="#">Comparing and Ordering Fractions, Decimals, and Percents</a> <a href="#">Factor Trees to find GCF and LCM</a>	
<b>Practice Problems:</b>  <a href="#">CLICK HERE</a> to complete the practice problems (press Ctrl and click to follow the link).	

## Week 2

<b>Prerequisite Skill:</b> Rounding	<b>Learning Targets:</b> <ul style="list-style-type: none"><li>✓ I can round decimals to a specific place value.</li><li>✓ I can explain how decimals are rounded.</li></ul>
<b>Instructional Videos:</b> Watch the videos below for additional help with the prerequisite skills (press Ctrl and click to follow the link).  <a href="#">Rounding Decimals</a>	
<b>Practice Problems:</b>  <a href="#">CLICK HERE</a> to complete the practice problems (press Ctrl and click to follow the link).	

<b>Prerequisite Skill:</b> Operations with Fractions	<b>Learning Targets:</b> <ul style="list-style-type: none"><li>✓ I can simplify fractions.</li><li>✓ I can perform the four basic operations with fractions.</li></ul>
<b>Instructional Videos:</b> Watch the videos below for additional help with the prerequisite skills (press Ctrl and click to follow the link).  <a href="#">Simplifying Fractions</a> <a href="#">Operations with Fractions Review</a>	
<b>Practice Problems:</b>  <a href="#">CLICK HERE</a> to complete the practice problems (press Ctrl and click to follow the link).	

## Week 3

<b>Prerequisite Skill:</b> Order of Operations	<b>Learning Targets:</b> <ul style="list-style-type: none"><li>✓ I can determine how parentheses and brackets affect expressions.</li><li>✓ I can use parentheses and brackets to group an expression within a multi-step expression.</li><li>✓ I can evaluate expressions with parentheses and brackets.</li></ul>
<b>Instructional Videos:</b> Watch the videos below for additional help with the prerequisite skills (press Ctrl and click to follow the link).  <a href="#">Order of Operations</a>	
<b>Practice Problems:</b>  <a href="#">CLICK HERE</a> to complete the practice problems (press Ctrl and click to follow the link).	

<b>Prerequisite Skill:</b> Integer Operations	<b>Learning Targets:</b> <ul style="list-style-type: none"><li>✓ I can add integers.</li><li>✓ I can subtract integers.</li><li>✓ I can multiply integers.</li><li>✓ I can divide integers.</li></ul>
<b>Instructional Videos:</b> Watch the videos below for additional help with the prerequisite skills (press Ctrl and click to follow the link).  <a href="#">Operation on Integers</a>	
<b>Practice Problems:</b>  <a href="#">CLICK HERE</a> to complete the practice problems (press Ctrl and click to follow the link).	

## Week 4

<b>Prerequisite Skill:</b> Reviewing Conversion Factors	<b>Learning Targets:</b> <ul style="list-style-type: none"><li>✓ I can use ratios to convert measurement units.</li><li>✓ I can identify units of measure in the standard measurement system.</li><li>✓ I can identify units of measure in the metric system.</li></ul>
<b>Instructional Videos:</b> Watch the videos below for additional help with the prerequisite skills (press Ctrl and click to follow the link).  <a href="#">Ratio Reasoning</a> <a href="#">Unit Conversions Using Ratios</a> <a href="#">Converting between Metric Units</a>	
<b>Practice Problems:</b>  <a href="#">CLICK HERE</a> to complete the practice problems (press Ctrl and click to follow the link).	

<b>Prerequisite Skill:</b> Graphing Lines	<b>Learning Targets:</b> <ul style="list-style-type: none"><li>✓ I can identify the slope-intercept form of an equation.</li><li>✓ I can identify the slope and y-intercept of an equation.</li><li>✓ I can identify the graph a linear equation in slope-intercept form.</li></ul>
<b>Instructional Videos:</b> Watch the videos below for additional help with the prerequisite skills (press Ctrl and click to follow the link).  <a href="#">Graphing Lines</a>	
<b>Practice Problems:</b>  <a href="#">CLICK HERE</a> to complete the practice problems (press Ctrl and click to follow the link).	

## Week 5

<b>Prerequisite Skill:</b> Writing Linear Equations from Word Problems	<b>Learning Targets:</b> <ul style="list-style-type: none"><li>✓ I can write a linear equation from context.</li><li>✓ I can identify the rate of change (slope).</li><li>✓ I can identify the initial value (y-intercept).</li></ul>
<b>Instructional Videos:</b> Watch the videos below for additional help with the prerequisite skills (press Ctrl and click to follow the link).  <a href="#">Writing Linear Equations from Word Problems</a>	
<b>Practice Problems:</b>  <a href="#">CLICK HERE</a> to complete the practice problems (press Ctrl and click to follow the link).	

<b>Prerequisite Skill:</b> Solving Two-Step Equations	<b>Learning Targets:</b> <ul style="list-style-type: none"><li>✓ I can find the solution(s) that satisfy a two-step equation.</li></ul>
<b>Instructional Videos:</b> Watch the videos below for additional help with the prerequisite skills (press Ctrl and click to follow the link).  <a href="#">Solving Two-Step Equations</a>	
<b>Practice Problems:</b>  <a href="#">CLICK HERE</a> to complete the practice problems (press Ctrl and click to follow the link).	

## Week 6

<b>Prerequisite Skill:</b> Systems of Equations	<b>Learning Targets:</b> <ul style="list-style-type: none"><li>✓ I can find the solution that satisfies each equation when I solve systems of equation.</li><li>✓ I can use the solution that satisfies both equations to make decisions in the real world.</li><li>✓ I know that in solving systems of equation, I can use graphing, elimination and/or substitution skills.</li></ul>
<b>Instructional Videos:</b> Watch the videos below for additional help with the prerequisite skills (press Ctrl and click to follow the link).  <a href="#">Substitution</a> <a href="#">Elimination</a> <a href="#">Graphing</a>	
<b>Practice Problems:</b>  <a href="#">CLICK HERE</a> to complete the practice problems (press Ctrl and click to follow the link).	

<b>Prerequisite Skill:</b> Translating Between Representations of Functions	<b>Learning Targets:</b> <ul style="list-style-type: none"><li>✓ I can write an equation given a verbal description.</li><li>✓ I can give characteristics of linear functions using different representations.</li></ul>
<b>Instructional Videos:</b>  <a href="#">Multiple Representations of Linear Functions</a> <a href="#">Linear Relationships: Multiple Representations</a>	
<b>Practice Problems:</b>  <a href="#">CLICK HERE</a> to complete the practice problems (press Ctrl and click to follow the link).	