Summer 2024

Dear Students (and Parents),

This summer we are using the computer adaptive program, Freckle, for our Summer Math Requirement. As an SFX student, you will review and practice important skills that you learned this year to ensure you don't experience "summer slide". When you come back in the fall, you will be able to engage in math at your new grade level with proficiency and confidence.

To access Freckle:
1. **USING CHROME BROWSER:** Go to **student.freckle.com** and enter your class code (see below) under "Student Log In". You will then be asked to provide your first (not nickname) and last name.

2. **USING AN IPAD:** Download the free app - freckle.com/app. Log in using your first and last name (no nicknames) and the class code (see below).

- Rising 8th Grade Algebra Class Code: **mxtcdp**

Once you have logged in, click on the icon marked ***K.Valladao*** to go to the dashboard and click on the backpack/clipboard icon to see your assignments. Approximately half of your summer math work will be posted Friday, May 31st and the other half will be posted on Friday, June 7th. We are releasing the assignments in two batches because we want to remind you that distributed practice is better for the retention of skills. ***Please note: All of the assignments are due on the first day of school, August 7th at 8:00 am. A report will be run to determine your credit for the assignments. Additionally within the first two weeks of school, you will be assessed on the skills practiced.***

It is important that you do the work independently, without any help at home. If you are having difficulty with a concept, try using the Freckle resources provided (hints, videos, steps), and if you are still stuck you can try Khan Academy. Do your best to complete each assignment to mastery (80% or higher) using the additional attempts provided.

Thank you for taking the time to review this information and for working with your parents to ensure your Summer Math Requirement is met for next year. Happy Summer!

Sincerely,
SFX Math Teaching Team

Freckle Summer Math FAQ

Does it matter when I finish the work as long as it's during the summer and before school starts? The assignments will be released in two batches - one will be released Friday, May 31st and the second will be released on Friday, June 7th. We highly recommend you complete a skill to mastery (80% or higher) before moving on to the next assignment. We also encourage you to spread out the work and not complete it all in the first days of summer because distributing the practice results in deeper learning. That said, as long as the assignments are completed to mastery (80% or higher) by August 7th at 8 am, you will get full credit.

What materials will I need to complete my summer math assignments? Other than an electronic device (i.e.: phone, iPad, computer) you will need scratch paper or a whiteboard to work out the problems because some of the questions may be multi-step or require too much information to complete using mental math as your only strategy.

What should I do if I am working on an assigned skill and I don't understand it? Freckle has built-in resources to help when you get stuck. Most skill practice has a hint available in addition to a video that explains the skill. If you use those resources and still feel stuck, search for the skill in Khan Academy and watch the video. If you are still stuck, do your best to complete the assignment and then move on to the next one.

Do I have to get a certain score on the assignments?

Your goal should be mastery (80% or higher) for each assignment and if you miss the mark, we encourage you to use the help resources and then try the assignment again.

Is this assignment going to be graded?

You will receive two grades for your Summer Math Requirement. One for the completion of the assignments to 80% or higher and one for an assessment of the assigned work that will be given in the first two weeks of school.

How do I know how many assignments I will have in total?

On the pages that follow, we have provided a list by grade level for the assignments by focus skill and standard so you can print them if you want and mark off the assignments as you complete them. After you've completed the assignments in Freckle, you will be able to choose Adaptive Practice or Fact Practice if you want to do additional work (this is optional).

What should we do if we need assistance with Freckle during the summer?

If you have technical questions, contact Freckle at 1-800-338-4204 or support@renaissance.com. If you have questions about the assignments, please email kathy.valladao@sfxphx.org and we will try to help you. When emailing please be sure to include your name and grade level. Since it is summer break, it may take us a couple of days to respond, so please be patient and we'll do our best.

SFX Summer Math Requirement Assignments

Rising 8th Grade - Algebra

	STANDARD	FOCUS SKILL
1	6.RP.1 - Introduction to Ratios	Describe a ratio relationship between two quantities.
2	6.RP.2 - Unit Rate Introduction	Determine a unit rate.
3	6.RP.3B - Unit Rate Problems	Solve a unit rate problem.
4	6.RP.3C - Percent Problems	Solve a problem involving parts, wholes, and percentages.
5	7.RP.1 - Unit Rates & Fractions	Compute the unit rate associated with a ratio of fractions.
6	7.RP.2A - Proportional Relationships	Determine if the variables in a situation are in a proportional or linear non-proportional relationship given a table, a graph, or an equation.
7	7.RP.2B - Constant of Proportionality	Identify the constant of proportionality.
8	7.RP.2D - Graphing Proportional Relationships	Interpret the meaning of an ordered pair on a graph that shows a proportional relationship in a given situation.
9	6.NS.4 - GCF & LCM	Express the sum of two whole numbers in factored form using the distributive property.
10	6.NS.6A - Opposite Signs of Numbers	Recognize that opposite numbers are located on opposite sides of zero on a number line.
11	6.NS.6B - Ordered Pairs in the Coordinate Plane	Understand signs of numbers in ordered pairs as indicating locations in the quadrants of the coordinate plane.
12	7.NS.1C - Subtraction on a Number Line	Understand subtraction of rational numbers as adding the additive inverse.
13	7.NS.1D - Apply Properties to Add & Subtract	Add integers.
14	7.NS.1D - Apply Properties to Add & Subtract	Subtract integers.
15	7.NS.1D - Apply Properties to Add & Subtract	Add rational numbers.
16	7.NS.1D - Apply Properties to Add & Subtract	Subtract rational numbers.
17	7.NS.2B - Division of Signed Numbers	Divide integers.
18	7.NS.2C - Apply Properties to Multiply & Divide	Multiply rational numbers.
19	7.NS.2C - Apply Properties to Multiply & Divide	Divide rational numbers.
20	7.NS.2D - Convert Rational Numbers to Decimals	Convert between rational numbers in any form.
21	7.NS.3 - Solve Real-World Problems	Solve a real-world problem with rational numbers involving any of the four operations.

22	6.EE.1 - Intro to Exponents	Evaluate a numerical expression involving whole-number exponents.
23	6.EE.2C - Evaluate Expressions	Evaluate an expression for specific values of its variables.
24	6.EE.7 - Write & Solve Equations	Solve a problem involving an equation of the form x + p = q or px = q with nonnegative rational numbers.
25	6.EE.9 - Multiple Variables	Relate a graph or a table showing the relationship between two variables to an equation.
26	7.EE.1 - Simplify Linear Expressions	Add or subtract to simplify a linear expression with rational coefficients.
27	7.EE.2 - Rewriting Expressions in Different Forms	Understand that different forms of an expression can show how its various quantities are related.
28	7.EE.4A - Equations in Form px + q = r	Fluently solve equations of the form px + q = r or p(x + q) = r.
29	7.EE.4B - Inequalities in Form px + q > r	Graph the solution set of an inequality involving rational numbers.
30	8.EE.1 - Generate Equivalent Exponents	Generate an equivalent expression using properties of integer exponents.
31	8.EE.4 - Operations in Scientific Notation	Perform operations with numbers written in scientific notation.
32	8.EE.5 - Use Graphs to Determine Slope	Interpret a unit rate as the slope of a graph.
33	8.EE.7B - Solve Linear Equations	Solve a linear equation with rational coefficients.
34	8.EE.8B - Solve Systems of Equations	Solve a system of two linear equations in two variables algebraically.