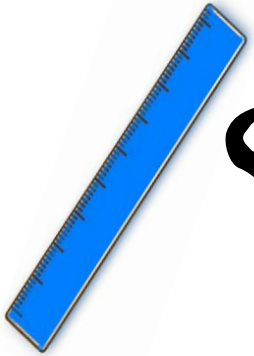
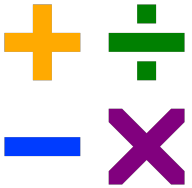


Welcome Families!



6th Grade Math

January 2021

By slidesgo

The Players

6A123

6B123

6A456

6B456

6D123

6D456

The Helpers

Mr. Castelyn

Mr. Garduño

Mrs. Joseph

Ms. Moore

Ms. Wilson

A Message To Families

Happy New Year to you and your family from our families!

We've created this newsletter to offer families more insight into the workings of remote 6th grade Math. In Math, it's not always about finding the correct answers. It is about explaining the process or journey of finding the answer. We encourage students to dig deeper and explain their Math ideas in a variety of ways. We encourage students to be curious and fight to understand the why behind every answer.

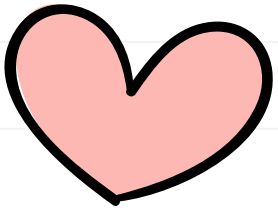
In this newsletter, you'll find the following:

- An overview of Unit 2: Fractions.
- Learning goals
- Upcoming Math assignments
- Supports for students

If you have any questions, please contact your child's teachers.

All the best,

6th Grade Math Team



"It's not about perfection, it's about progress"

—Someone Famous
aka Ms. Moore
(I got it from my elders.)

By slidesgo

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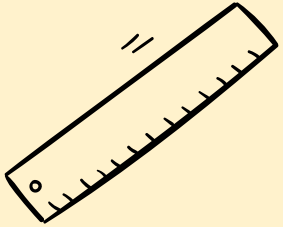
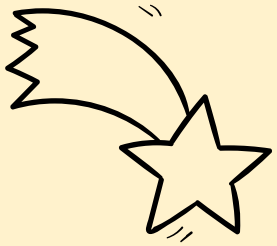
By slidesgo

Overview
6th Grade
Remote Math

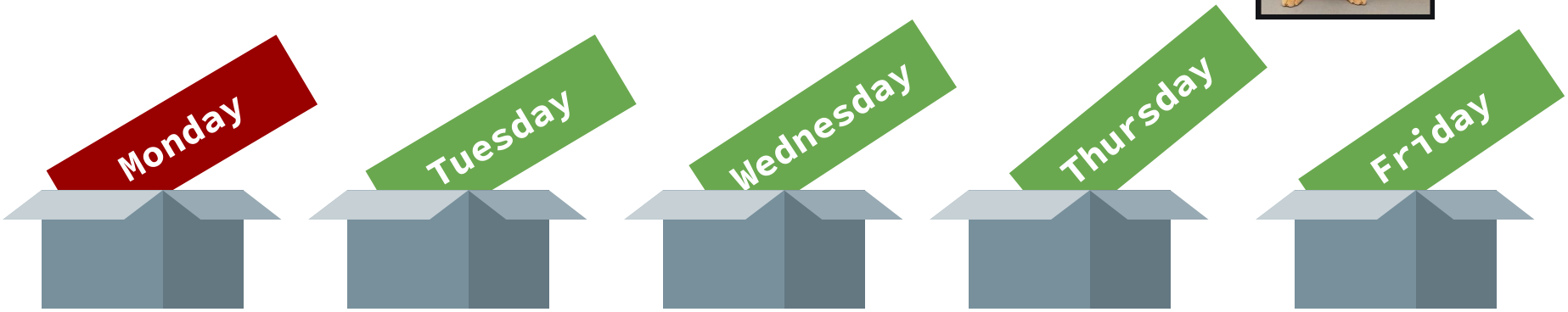




What happens in Remote Math Class?

Glad you asked!

Timeline of Math Week* (changes occur. Be flexible.)



Monday	Tuesday	Wednesday	Thursday	Friday
Asynchronous Learning (independent Math time)	Synchronous Lesson Desmos Activity	Synchronous Lesson Desmos Activity	Synchronous Lesson Desmos Activity	Synchronous Lesson Desmos Activity or Task.

*every PACK Does not have Math every day. Students should follow their PACK schedule.

By slidesmania.com

Zoom Class Process

01 On synchronous days, students complete part of the activity independently before the class starts.

02 Students join Zoom class for a mini-lesson and a class discussion.

03 Students continue to work on activity sometimes independently and sometimes in breakout rooms

04 As a class, students share out the second part of the activity, say bye bye and see you next class.

If students do not finish the activity in class, they should work on it independently.

By slidesgo

In class

Showing Work

6th grade Math is about sharing our Math ideas in variety of ways from models to equations to written explanations and so much more.

Progress vs. Perfection

Getting the correct answer is not the endgame, it is just the beginning.

Assessment

Each week students will be assessed on preselected Math learning goals (click here for the entire document).

Classwork

For each class, students are expected to complete a desmos activity and sometimes a Math task.

Students should advocate for themselves and ask for help whenever they need it.

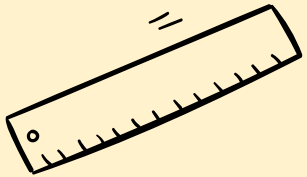
Zoom Class

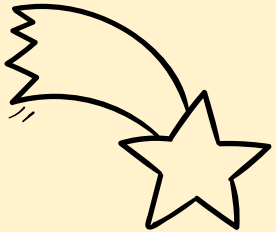
During each class, teachers will share with students which learning goal(s) they will be assessed on.

This gives students the opportunity to complete the activity in a thoughtful manner and ask for help whenever they need it.

dividend

2nd Unit of Study: Fractions





divisor

quotient

Unit 2: Fractions

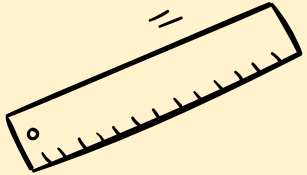
It's about ...

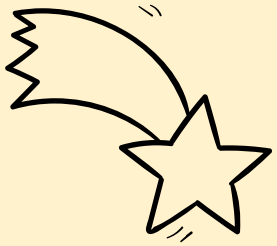
- solving fraction problems using a variety of operations.
- **noticing patterns and** determining how the size of the divisor affects the size of the quotient.
- using models, the standard algorithm and written explanations to showcase our Math ideas.
- It's about persevering through challenging assignments.

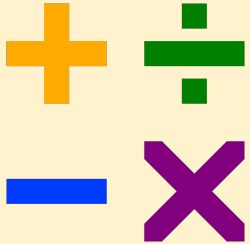
Think outside of the box when representing our answers.

By slidesgo

Learning Goals







Learning Goals Are designed to...

Give students the chance to **self-assess** their own learning.

Help students develop **self-advocacy** skills. *When they don't understand something, they can ask for help.*

Give Math teachers information that helps us provide more **one-on-one support** to students who need it. *We can also see which students are ready for more in-depth work.*

Provide talking points for Math **communication** between students and teachers and families and students.

Frequently Asked Questions About Learning Goals

First of all...

Are students assessed on all the learning goals each class?

Answer: Students are not assessed on all the Math learning goals. They are assessed on 1 or 2 of the goals each class.

How do students know which learning goal they are being assessed on?

Answer: Teachers share with students during each class which learning goals they are being assessed on.

Which assessments are used to assess students on the specific learning goals?

Answer: Students are assessed on different questions in the Desmo activity for that particular day.

Learning Goals

G6 Math Unit 2 - Fractions	Learning Goal #				
Common Core Standard	1	2	3	4	5
(CCS.MATHT.5.NF.1) Add & subtract fractions with like & unlike denominators (including mixed numbers).	X	X			
(CCS.MATHT.5.NF.4) Apply and extend previous understandings of multiplication to multiply a fraction (or whole number by a fraction).		X	X	X	
(MS447.NY-6.NS.1)Apply and extend previous understandings of multiplication and division to divide fractions by fractions. (Interpret and compute quotients of fractions, and solve word problems involving division of fractions by fractions.)			X	X	X
(CCS.MATHT.6.RP.3) Use ratio and rate reasoning to solve real-world and mathematical problems.	X				
(MS447.NY-MP.1) Make sense of problems and persevere in solving them.	X	X	X	X	X
(MS447.NY-MP.4) Model with mathematics.	X	X	X	X	X

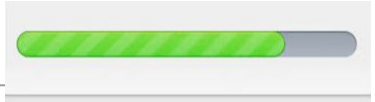
Learning Goal #1 & Math Assignments

Learning Goal 1
 	
Week of 1/4/21
(work assigned throughout the week. Not all in one day.)
	I can use mathematical models to represent fractions in different ways
	
	● Desmos: Building Fractions
	● Desmos: Introducing Fractions
	● Desmos: Preview Unit 2
	● Tasks
	  ○ Going Marbles
	  ○ Desmos: Adding Fractions Progression

Learning Goal #2 & Math Assignments

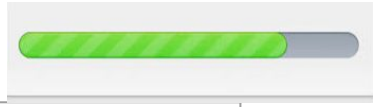
Learning Goal 2
 	
Week of 1/11 (work assigned throughout the week. Not all in one day.)
	When dividing, I know how the size of the divisor affects the size of the quotient.
	
	● Desmos: Size of Divisor and Size of Quotient
	● Tasks
	  ○ Penny's Pieces
	  ○ Cookie Jar

Learning Goal #3 & Math Assignments



Learning Goal 3 **Week of 1/18** **(work assigned throughout the week. Not all in one day.)**	I can use tape diagrams, fact families, and equations to represent the meaning of division. (A division equation answers either "How many groups?" or "How many in each group?") • Desmos: Meanings of Division • Desmos: Interpreting Division Situations • Task ○ Rabbit Costumes

Learning Goal #4 & Math Assignments



Learning Goal 4 **Week of 1/25** **(work assigned throughout the week. Not all in one day.)**	I can use models and equations to represent division situations involving fractions and find the number of groups (or the number in each group). • Desmos: Pattern Block Piles • Desmos: How Many Groups Part 1 • Desmos: How Many Groups Part 2 • Task ○ Share My Candy

Learning Goal #5 & Math Assignments

Learning Goal 5 **Week of 2/1** **(work assigned throughout the week. Not all in one day.)**	I can use an algorithm to divide fractions. • Desmos: Dividing by Unit and Non-Unit Fractions • Desmos: Using an Algorithm to Divide • Desmos: Dividing Fractions Progression & Practice • Task ○ Merry Models

SUPPORTS FOR STUDENTS

We're here to help!

Supports for Students

If...	Then...
Students need help with an assignment,	Make an appointment to come to office hours. (Mondays to Fridays 2:30-2:50 p.m. or Mondays 9:45-10:33 a.m.)
Students are ready for more challenging work,	Check in with your teacher to find out what additional work is available to complete. Or, independently dig deeper by finding new strategies to solve a problem.
Students are absent for a class,	Check Google classroom for the assignment or contact a classmate. Any additional questions, check in with your teachers.
Students need tech support (device is broken),	Contact your pack leader or Math teachers. MS447 is able to provide devices for students who need it.
Students need more Math practice or help,	Visit https://www.khanacademy.org/

Keeping in contact

Packs	Teachers
6A/1/2/3	Mr. Castelyn: ccastelyn@ms447.org Ms. Moore: ymoore@ms447.org
6A4/5/6	Mr. Garduño: fgarduno@ms447.org Ms. Wilson: kwilson@ms447.org
6B1/2/3	Mr. Garduño: fgarduno@ms447.org Ms. Wilson: kwilson@ms447.org
6B4/5/6	Mr. Castelyn: ccastelyn@ms447.org Ms. Moore: ymoore@ms447.org
6D1/2/3	Mr. Castelyn: ccastelyn@ms447.org Mrs. Joseph: ojoseph@ms447.org
6D4/5/6	Mr. Castelyn: ccastelyn@ms447.org Mrs. Joseph: ojoseph@ms447.org