

Technology & Math: Integrating the Numbers with the Tools

Jennifer Rivers & Kristen Ramsey



@RiversJennifer & @TeacherKRAMS



jenniferANDkristen@gmail.com
jenniferANDkristen.weebly.com

Introductions

Jennifer Rivers



Kristen Ramsey



- 3rd Grade Teachers @ Lake Forest Elementary



- Combined Experience in
- PreK-6th, Co-Teaching, EIP, & IRR

Agenda

- Ice Breaker
- Overview of math work stations
- How to integrate technology into your math block
- Genius time

Ice Breaker

Enter code
from our
screen!

kahoot.it

Kahoot!

Game pin

Enter

<https://play.kahoot.it/#/?quizId=e09d3020-f73e-408e-b911-dab5251116c3>

Turn & Talk

What are
workstations?

Math Work Stations

(Debbie Diller, 2011)

Math Work Stations	Traditional Math Centers
Materials are previously used in instruction... <u>no new materials in stations!</u>	New materials may have been in centers with limited instruction on how to use them.
Do not change weekly! Change according to levels of understanding and strategies being taught.	Were often changed weekly according to units or themes.
All students go to work stations daily.	Not all students participated...often used as a reward or motivation to complete work.
Differentiated materials.	All students did the same activity at the center.
Teacher observes or works with differentiated small math groups.	If teacher met with groups, each group often did the same task.

Math Work Stations



*Partner Work

*Math Journals

*Guided Math

*Math Fluency

*Technology (computers or iPads)

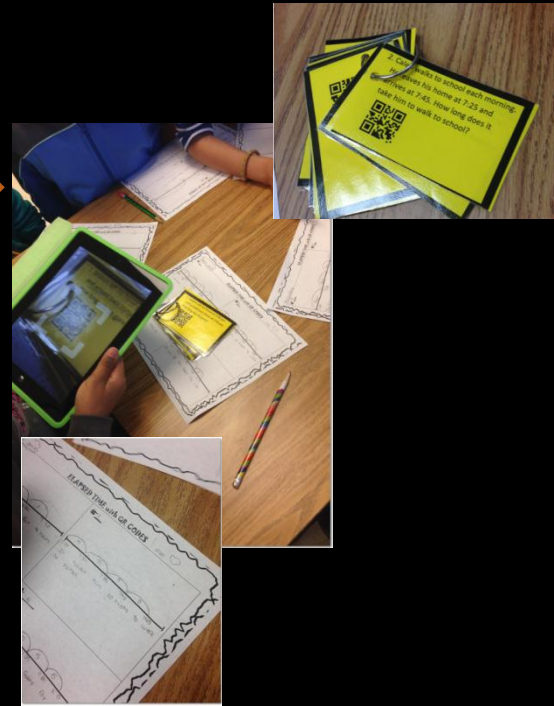
Partner Work

Include differentiated assignments



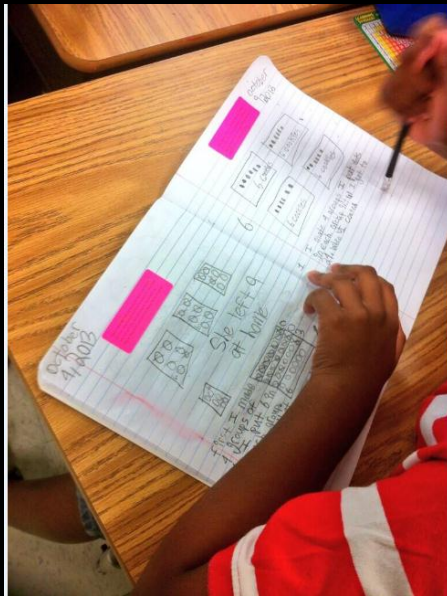
Separate folders allow for an easy way to organize the differentiated assignments.

Allow students to check their work! (QR codes are FUN to incorporate and are very engaging!!)

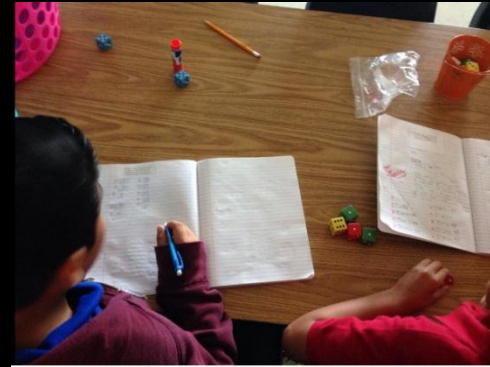


Students collaborate in groups of 2 or 3.

Math Journals



Students solve and explain their solutions to math problems.



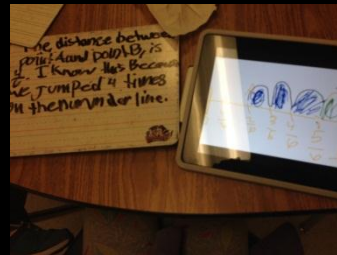
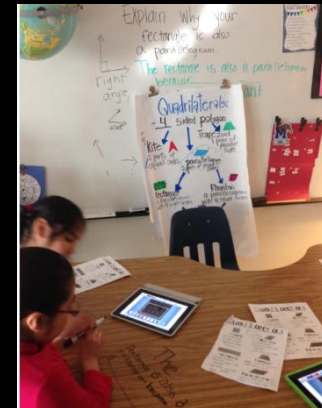
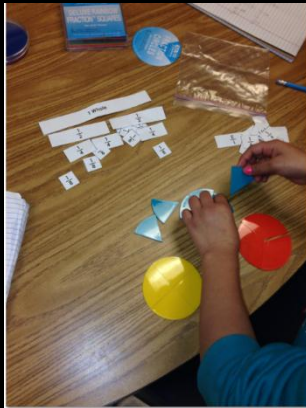
Differentiate this station by allowing students to use manipulatives!



K-5 Math Teaching Resources

Guided Math

This is where the teacher will do direct instruction to teach the concept, model it, and allow for the students to practice with guidance.

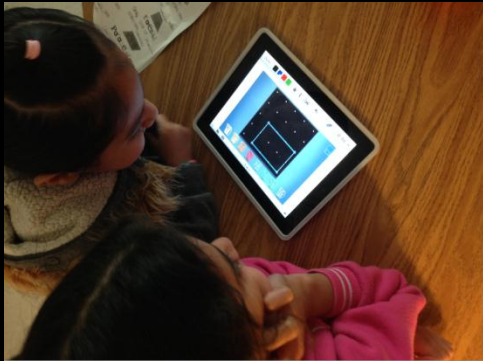


Fluency



Students are
practicing basic math
facts
(addition, subtraction,
multiplication, division)

Technology



What can the students do during the technology work station?



FrontRow Math
(free)

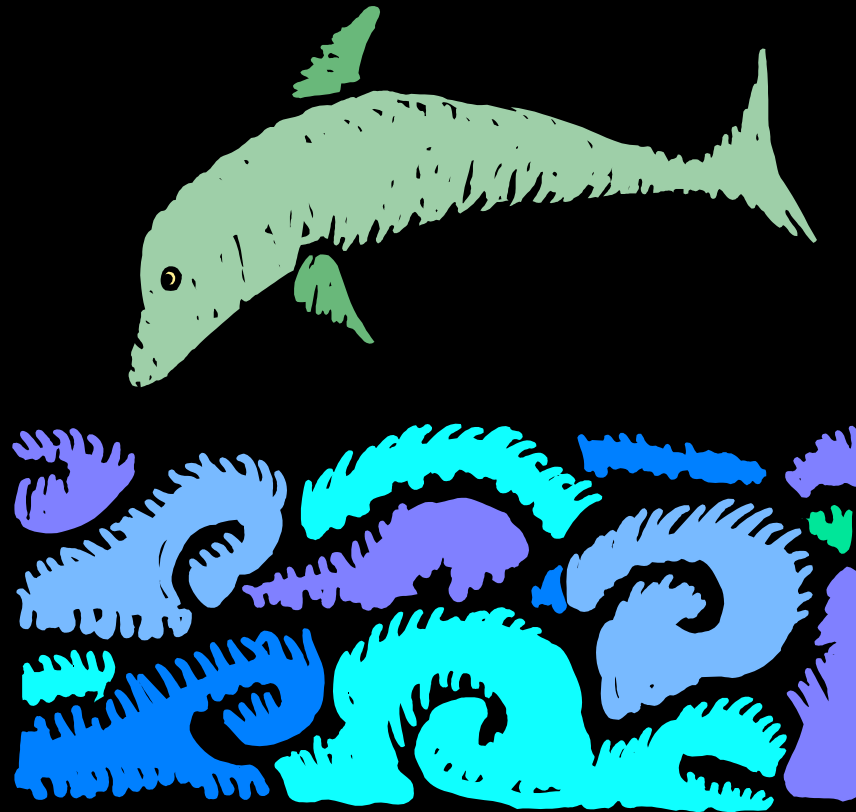


ST Math (paid program)

<http://msriversclass.weebly.com/math.html>

EdModo

Time to "DIVE" in...



How does technology fit?

- Open your iPads...
- READY
 - SET
 - GO!

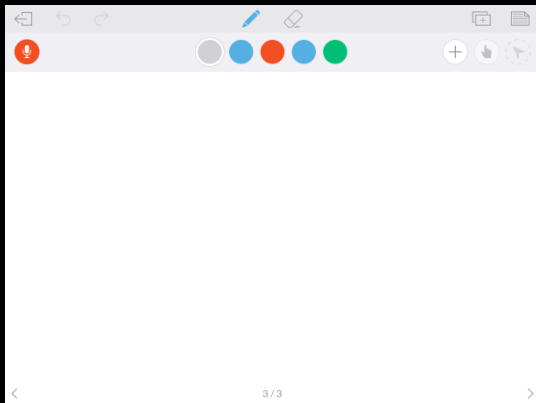
Partner Work

QR Codes - www.goqr.me

*Gives students a fun way to check their work!

Stick Stories - EduCreations

*Fun & real world problem solving - paper or digital!

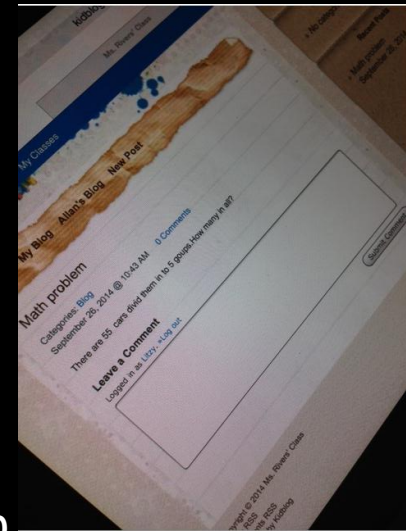


1. Students pull 2 characters, 2 numbers (differentiate), and 1 object.
2. Create a story problem using your sticks
3. Turn your problem, solution, and digital using EduCreations!

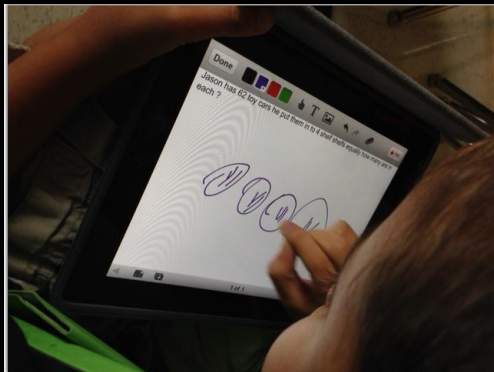
Math Journals

Kidblog - www.kidblog.org

*Students can practice typing skills while explaining how they solved the word problem on a classroom blog!!



EduCreations - EduCreations iPad app



*Students can write their own word problems and solve them on this iPad app!

Guided Math

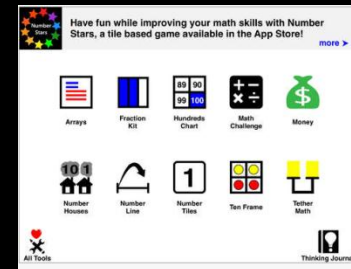
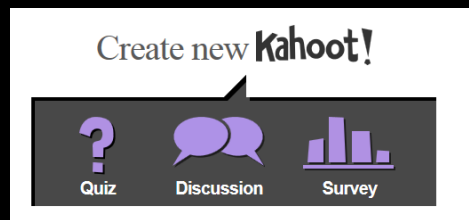
Kahoot! - www.getkahoot.com

-Game based responses system!

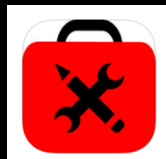
-Create quizzes, discussions, and surveys!!

<http://blog.getkahoot.com/post/47536212854/a-year-9-class-at-ratton-school-in-eastbourne-are>

<https://play.kahoot.it/#/?quizId=e09d3020-f73e-408e-b911-dab5251116c3>



Schoolkit Math - iPad app



*This iPad app is a free toolkit for math teaching tools used in the classroom.

Math Fluency

Sushi Monster-

This app is from Scholastic! It helps reinforce and extend math fluency.



SumDog- sumdog.com

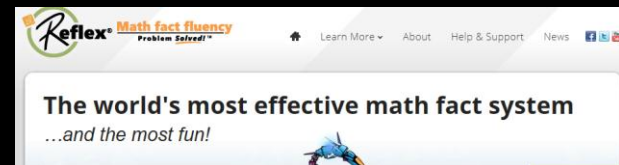
- Practice math through fun, engaging games!
- "Students are free to play what they want, and parents and teachers get to pick what they learn."

<http://www.sumdog.com/en/teachers/>

Reflex Math-

- Students can practice math facts and have fun at the same time!
- Differentiates and assess

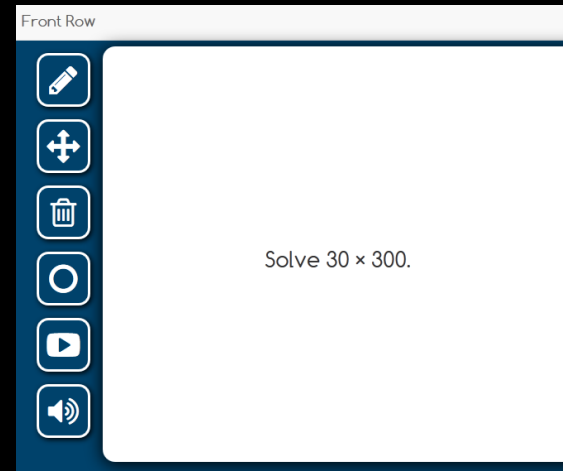
<http://www.reflexmath.com/>



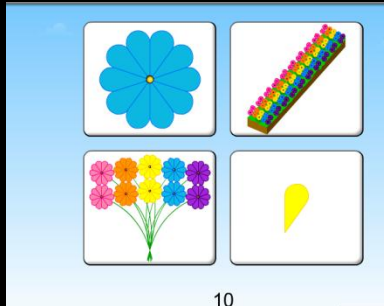
Technology

Front Row Math - <https://www.frontrowed.com/>

- Differentiated math instruction
- Students work at their own pace using the interactive work space, manipulatives, and watch short math videos.



ST MATH - <http://www.mindresearch.net/programs/>



- paid program
- "Spatial-Temporal" Math Reasoning
- Designed to boost math comprehension and math proficiency through visual learning.

Genius Time

*Find the poster of the program you want to work with.

*You will work with others to create and discover more about the app or website!

*Kristen and Jennifer will be around to facilitate and answer questions.

Helpful Websites



<http://www.debbiediller.com/>

<http://guidedmath.wordpress.com/about/>

<http://www.k-5mathteachingresources.com/>

<http://www.symbaloo.com/mix/clc3-5math>

<http://learnzillion.com/>

Thank you for coming!

*PLEASE ☺ use the QR code to take our survey! We would love to hear feedback!

*If you do not have the QR scanner, please go to this link:

<https://www.surveymonkey.com/s/S5L2VGR>

*Don't forget to join us in our professional learning network!!



@TeacherKRAMS & @RiversJennifer
jenniferANDkristen@gmail.com
jenniferANDkristen.weebly.com