

# HEAD START

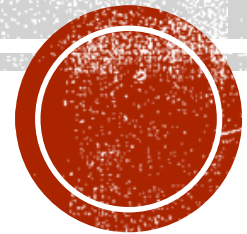
GRADE 8-9 TRANSITION

Melissa Baker-Cox

Limestone District School Board

[bakerm@limestone.on.ca](mailto:bakerm@limestone.on.ca)

@mrs\_bakerm



# MINDS ON

Turn and talk with your elbow partner and discuss the following:

- What does your schools do to ensure a smooth transition between grade 8 – 9?
- If you have children who have experienced the transition what was in place at their school?



# BACKGROUND

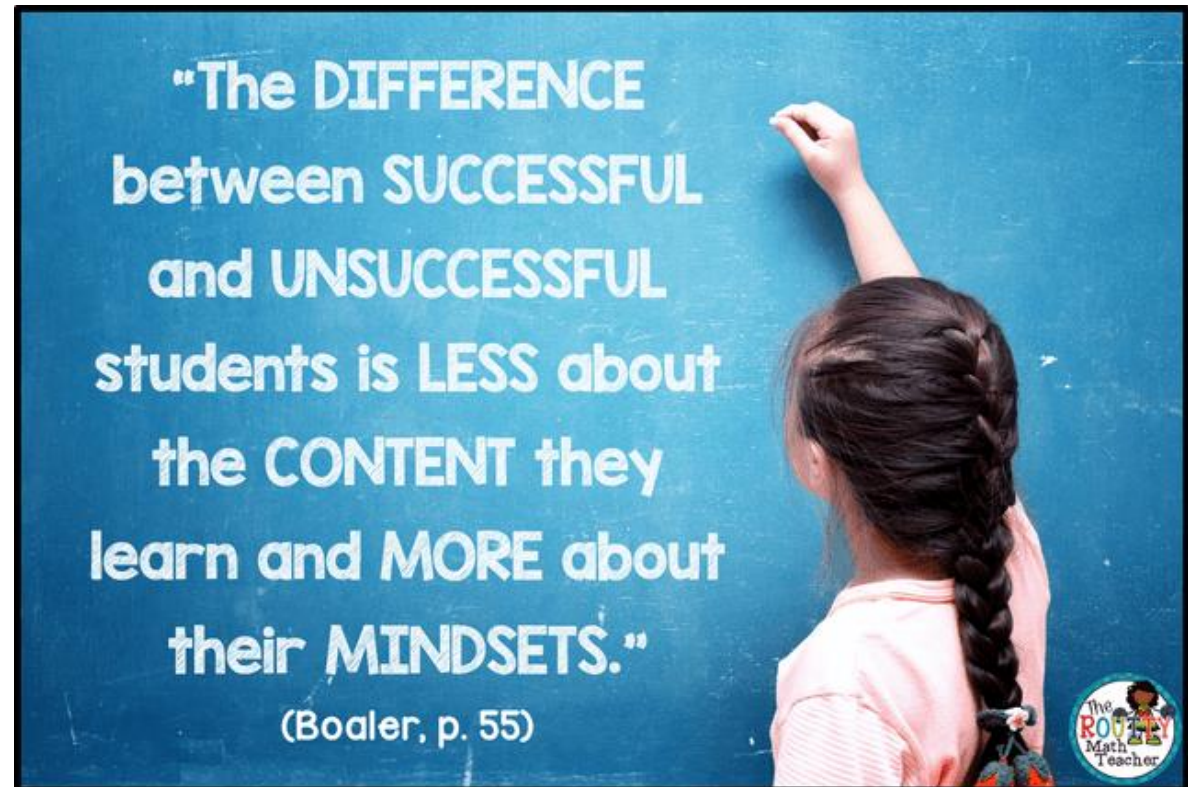
- 2015 & 2016 – Two Secondary Schools
- 2017 – One Secondary School (Two Schools from 2016 Merged due to closing of a school)
- 2018 – Plans of possible expansion to other secondary schools



# FOUNDATIONS OF THE PROGRAM

## GROWTH MINDSET + NUMERACY + LEARNING SKILLS

- Get the first week “gitters” out
- Creating a sense of belonging
- Build numeracy confidence





# Head Start Summer Numeracy Program!

The Limestone District School Board is offering a **Head Start Summer Numeracy Program** for students entering **grade 9 at QECVI September 2015.**

Students will:

- Build confidence, conceptual understanding, and critical thinking through active engagement in problem solving.
- Understand what good learning skills and work habits look like in high school.
- Develop a positive mindset and confidence as a learner.
- Participate in LINK orientation activities that will help your child transition into high school more smoothly.

## Session Dates

**8:30 to 2:30**

**Mon. Aug. 31 – Wed. Sept. 2, 2015**  
**(LINK Orientation Activities on Wed after Free Pizza Lunch!!)**

The program is **FREE** for students; however, transportation is not provided and students are expected to bring their own lunch on Monday and Tuesday.

Get a Head Start  
to becoming a  
**Raider!**

### Registration Information:

Any student entering grade 9 at QECVI may register. If you are interested in the program, please ask a teacher for a registration form and return it to you teacher.

#### For Registration Information, contact:

Melissa Baker,  
Mathematics teacher  
QECVI  
613-456-1714  
bakerm@limestone.on.ca

#### For Program Information, contact:

Mandy Clark,  
Intermediate/Senior Curriculum Consultant  
Limestone District School Board  
613-544-6925 X234  
clarkm@limestone.on.ca



# PROCESS

- Visit Home Schools – Provided a Chilli Dinner to Families in the Home Schools to Share information about the upcoming transition. Advertised by providing an ad to go into the newsletter as well as a save the date fridge magnet.
- Sharing Meetings – Success Teams meet to discuss academic, social/emotional supports that need to be in place. (Google Form→ Face to Face). Teachers are given the Head Start Registration forms
- Grade 8 Day – Students spend a half day at the school to complete course selection but also to get to know the building. Students are asked to bring their Registration Forms.
- Parents as Partners Evening – Parents could come ask questions about their child's transition and sign up for head start
- Leader Training (Half Day June during Exams, 2 Full Days in the Summer). During the summer the LINK Leaders call those who have not brought in registration forms to invite them to attend.
- Head Start – Summer Program
- Grade 9 Orientation



# BUDGET

- Our board chooses to use the Numeracy Literacy Registrar because it is a program that fits the guidelines.
- Additional costs come from Student Success Budget under Transitions
- Depending on how many students you anticipate will determine the number of paid instructors to have involved.





# TYPICAL DAY

DAY 1 – Monday, August 29, 2016

TIME	LOCATION	LEAD	ACTIVITY	DETAILS/MATERIALS
8:30-11:00	Gym 3		ORIENTATION WITH LINK CREW	
11:00-12:00	Cafeteria?		PIZZA LUNCH	
12:00-12:30	Hallway around Gym 3, Room 126 & Computer labs (124 and 125?)	Survey – Jackie and Rebecca  Tetris – Bre, Jo, Neil	<b>Password Change and pre-test survey</b> <ul style="list-style-type: none"> <li>Webpage from Jackie <a href="https://docs.google.com/a/gapps.limestone.on.ca/presentation/d/1Rc055NDIeqie4Yb_YSaFkJvC214baTSKHaDd8WbvcFY/edit?usp=sharing">https://docs.google.com/a/gapps.limestone.on.ca/presentation/d/1Rc055NDIeqie4Yb_YSaFkJvC214baTSKHaDd8WbvcFY/edit?usp=sharing</a></li> </ul> <b>Tetris Colouring</b>	<b>Survey</b> Computers (lab (124/125), laptop carts  <b>Tetris</b> Instruction template Dice Coloured pencils Additional grid paper
12:30-1:15	Drama room, halls around drama room	Amy – Mindset, video  Activity – Bre, Jo, Neil	<b>Origami Frog</b> <ul style="list-style-type: none"> <li>Green paper</li> <li>iPads for YouTube video “Origami Frog Red Ted Art” <a href="https://www.youtube.com/watch?v=VLPjblIkEUo">https://www.youtube.com/watch?v=VLPjblIkEUo</a></li> <li>metre sticks, etc.</li> <li>paper for recording rough work</li> <li>markers for tracing “mistakes”</li> </ul>	Green paper Measuring tapes and sticks Masking tape White boards Markers
1:15-1:30	Lancer Lair	Rebecca	SNACK – Link leaders will hand out granola bars	
1:30-2:15	Drama Room	Jackie, Amy, Jo	<b>Wrap Up</b> Mindset videos <ul style="list-style-type: none"> <li>Link on webpage from Jackie <a href="https://docs.google.com/a/gapps.limestone.on.ca/presentation/d/1Rc055NDIeqie4Yb_YSaFkJvC214baTSKHaDd8WbvcFY/edit?usp=sharing">https://docs.google.com/a/gapps.limestone.on.ca/presentation/d/1Rc055NDIeqie4Yb_YSaFkJvC214baTSKHaDd8WbvcFY/edit?usp=sharing</a></li> </ul> Learning Skills Role Play with LINK Crew <ul style="list-style-type: none"> <li>YouTube video from last year <a href="https://www.youtube.com/watch?v=E94UmykkcGA">https://www.youtube.com/watch?v=E94UmykkcGA</a></li> </ul>	
2:15-2:30	Gym 3	Rebecca (set up gym) Jo - Activity	Equilibrium (Triangulate Activity)	Move benches to side in gym for large central space

**General Notes:**

Use Link leaders to help with all activities and getting supplies etc.  
Start time approx. depends on when Link Crew pizza lunch ending.





**DAY 2 – Tuesday, August 30, 2016**

TIME	LOCATION	LEAD	ACTIVITY	DETAILS/MATERIALS
8:20-8:30	Gym 3	Jo	Gathering, welcome - LINK leaders channel students to room, lead cheers, etc. until start of day	
8:30-9:45 Rotation 1	Station A: Room 126	Jo/Amy	<b>Play Dough Tower Activity</b> - Make play dough in classroom - Make towers in Gym 3	Jo's class
	Station B: Main Gym	Bre/Rebecca	<b>Integer Battleship</b> + Open Gym time	Bre's class
	Station C: Room 121	Jackie/Neil	<b>Proportional Reasoning Cookie Activity</b>	Neil's class
9:45-9:10 SNACK	Lancer Lair	LINK	SNACK (Goldfish)	
10:00-11:00 Rotation 2	Station A: Room 126	Jo/Amy	<b>Play Dough Tower Activity</b> - Make play dough in classroom - Make towers in Gym 3	Bre's class
	Station B: Main Gym	Bre/Rebecca	<b>Integer Battleship</b> + Open Gym time	Neil's class
	Station C: Room 121	Jackie/Neil	<b>Proportional Reasoning Cookie Activity</b>	Jo's class
11:00-12:00 LUNCH	Lancer Lair	Rebecca + LINK	Food available for those who forget	
	Main Gym	Neil + LINK	Sports	
	11:30-12:00 Outdoors Room 121	Jo/Amy + LINK Bre + LINK	Outdoor games Board games	
12:00-1:00 Rotation 3	Station A: Room 126	Jo/Amy	<b>Play Dough Tower Activity</b> - Make play dough in classroom - Make towers in Gym 3	Neil's class
	Station B: Main Gym	Bre/Rebecca	<b>Integer Battleship</b> + Open Gym time	Jo's class
	Station C: Room 121	Jackie/Neil	<b>Proportional Reasoning Cookie Activity</b>	Bre's class
1:00-1:15 SNACK	Lancer Lair	Rebecca	SNACK – <del>Freezies</del> fruit gummies	
	Classrooms	Jo, Neil, Bre	<b>Zin Obelisk</b> -focus on group norms and group work • 5 sets per class Colour coded – instruction sheet, cards (laminated), envelopes	
2:00-2:30	Gym 3	Jo, LINK	<b>Wrap Up</b>	



World Wealth Simulation

1. Predict what percent of the world's population lives on each continent? And what percentage of the world's wealth is found in each continent?

Continent	Predicted Percent of the Population	Predicted Percent of the Wealth
Asia	35.0%	57.5%
NA	21.7%	17.7%
EU	15.0%	3.9%
AFR	10.0%	0.5%
AM	7.0%	0.3%
OC	5.0%	0.1%
Other	5.0%	0.0%
<b>Total</b>	<b>100.0%</b>	<b>100.0%</b>

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Asia 25 billion  
 NA 500 million  
 EU 1.2 billion  
 AFR 1 billion  
 AM 450 million  
 AUS 150 million  
 7,630 Million  
 15 billion

Population

$$\begin{array}{r} 35.0\% \\ + 21.7\% \\ + 15.0\% \\ + 10.0\% \\ + 7.0\% \\ + 5.0\% \\ \hline 100.0\% \end{array}$$

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660,000,000

1136 / 7039 = 16.16%

16% out of 100



Jackie Decker @jackieadecker · 30 Aug 2016  
 Collaboration + problem solving about population, % + world wealth. With cookies!  
 #headstartmathlcvi @LimestoneDSB







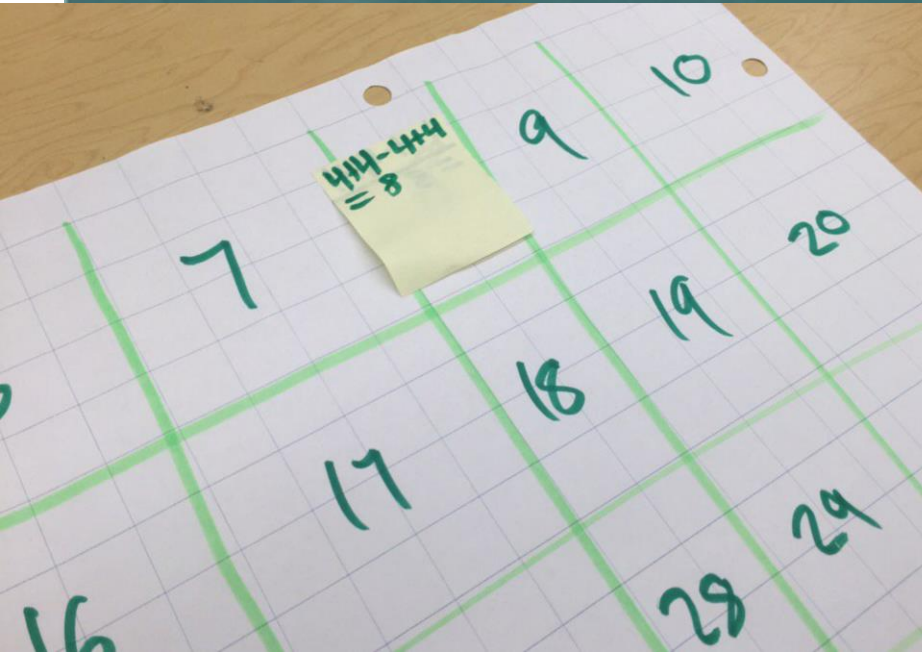
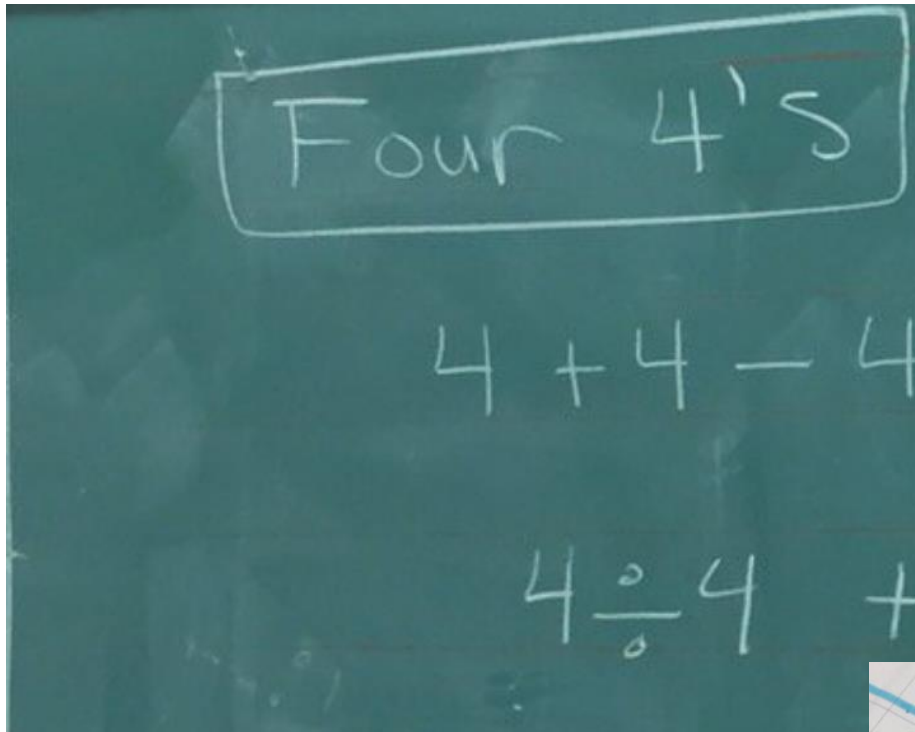
Jackie Decker @jackieadecker · 31 Aug 2016

Estimation & learning to use chopsticks - math and growth mindset to start today's #headstartmathlcv [@LCVI\\_LDSB](#)





**Jackie Decker** @jackieadecker · 31 Aug 2016  
Four 4s with RJ @LCVI\_LDSB #headstartmathlcv



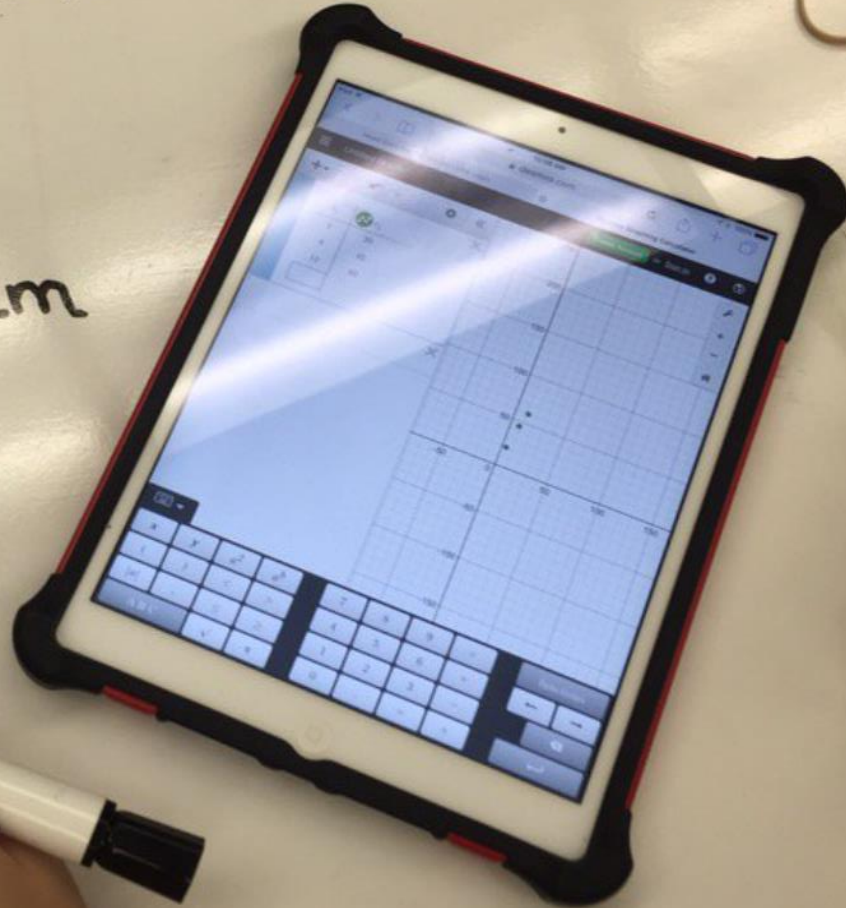




Jackie Decker @jackieadecker · 31 Aug 2016

Barbie bungee with many different solutions @LCVI\_LDSB #headstartmathlcvi

4 elastics = 20 cm (hanging)  
8 = 45 cm  
12 = 60 cm  
= 252 cm

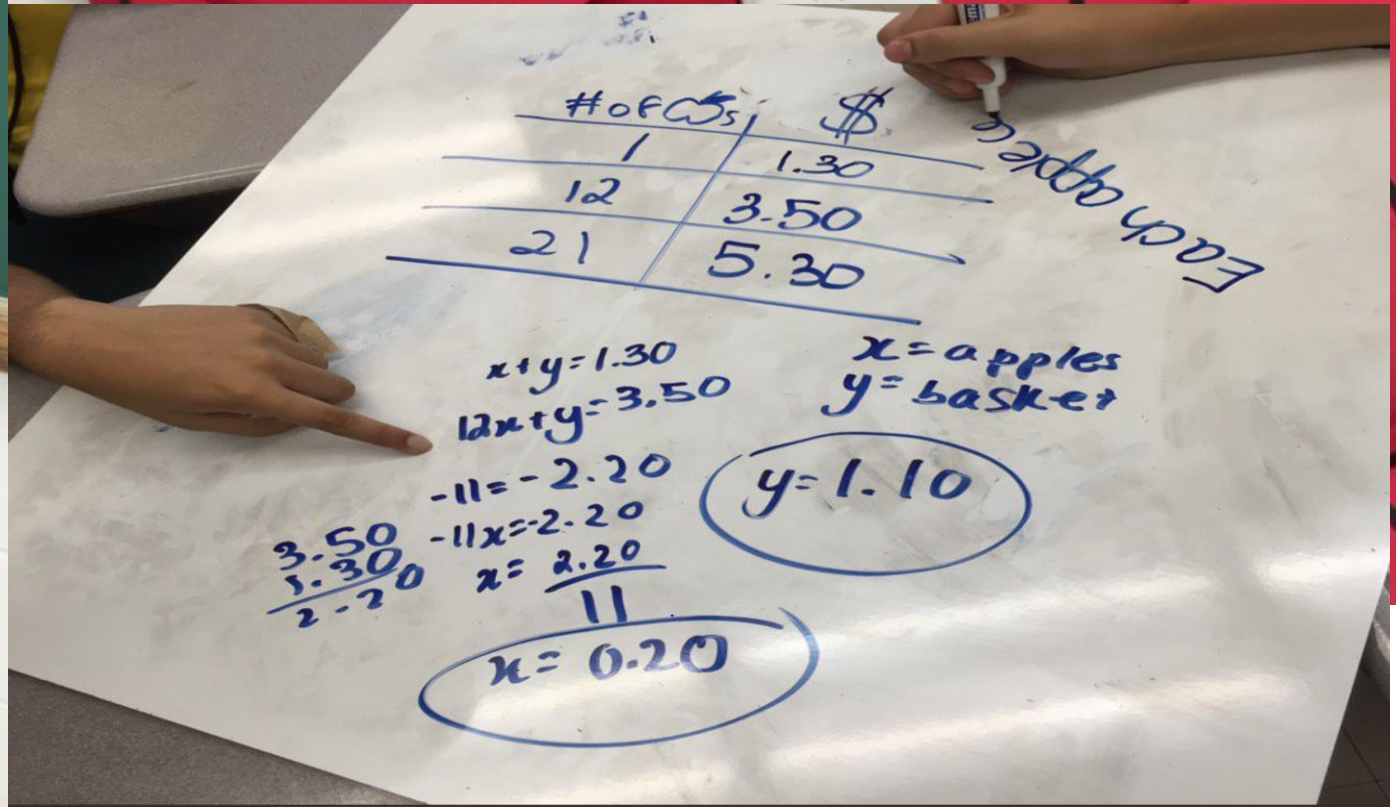




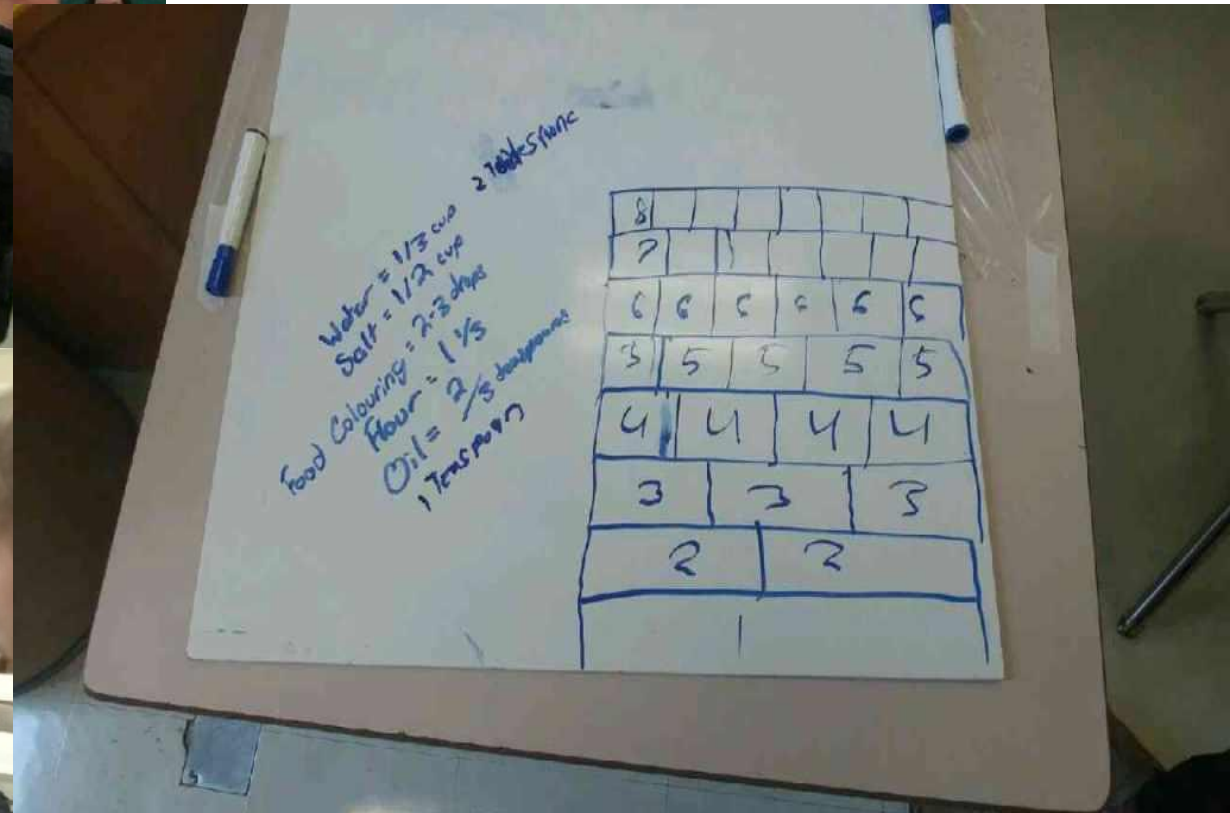


**Jackie Decker** @jackieadecker · 31 Aug 2016

An open apple problem with Hopkins @LCVI\_LDSB #headstartmathlcv











# LET'S TRY AN ACTIVITY

## Building the Zin Obelisk

In the ancient city of Atlantis a solid rectangular object called a Zin Obelisk was built in honour of the math goddess Hop Ham Ril.

The structure took less than two Atlantian weeks to complete.

The task of your team is to determine on which day of the week the zin obelisk was completed. Give your answer only in terms used in Atlantis.

Your group must be able to explain and show how you arrived at your answer using the given information.



# WHAT HELPS IT WORK?

- Senior LINK Leaders
- Drama Teacher or an energetic teacher that is willing to add some creative touches
- Current Grade 9 Teachers – Allows students to begin to build a rapport with their teachers.
- Student Success Teacher or member of school team to assist with logistics
- Community Partners Connected (Local Transit, Pathways to Education, YMCA, Local Library, Health Unit)
- School Photos, City Bus Passes, Lockers, visit classes



# THE IMPACT!

- " First of all, students coming in from LCVI that are coming from outside programs that haven't had a chance to mix and mingle it is important for them. There is no streaming which is very huge. Allows us to look at mindset and trying to change what math looks like. Pressure is on grade nine teachers to do more then the traditional way of teaching because the kids are already used to problem solving. WE as a school think that math is important here and is a priority for all in the building. Teachers also get to know the kids“ – Program Organizer



# 2017 STUDENT VOICE

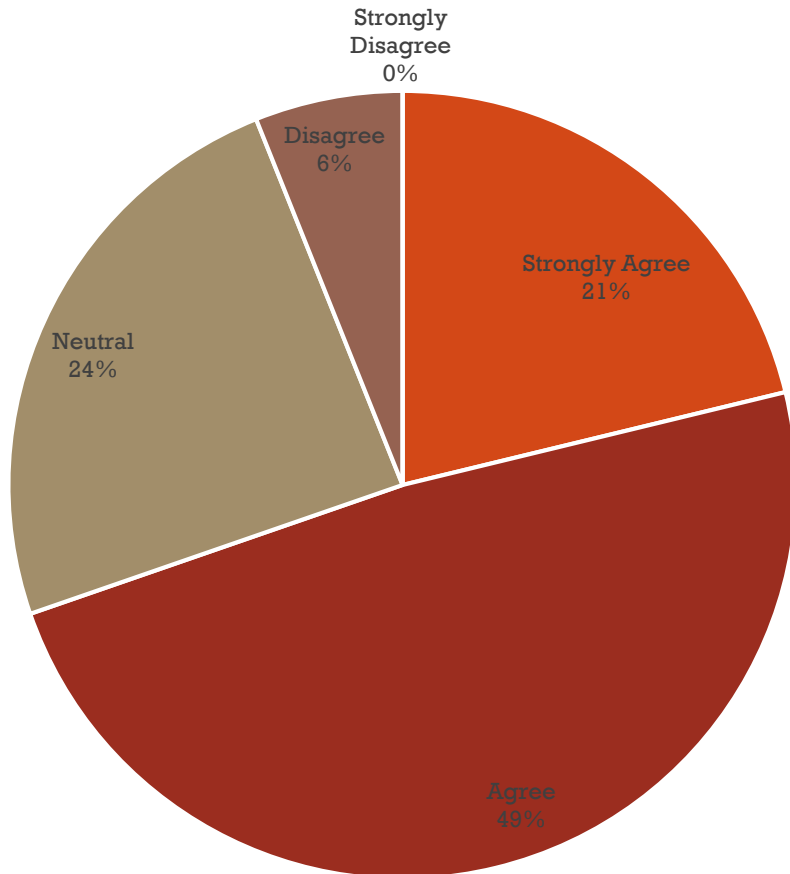
Keep In Mind:

- 104 respondents for Pre-Survey – 2016 Head Start @ 1 Kingston Area School
- 50 respondents for the Post-Survey – 2016 Head Start @ 1 Kingston Area School

Digging Deeper – Looked at 33 respondents who completed both pre and post survey

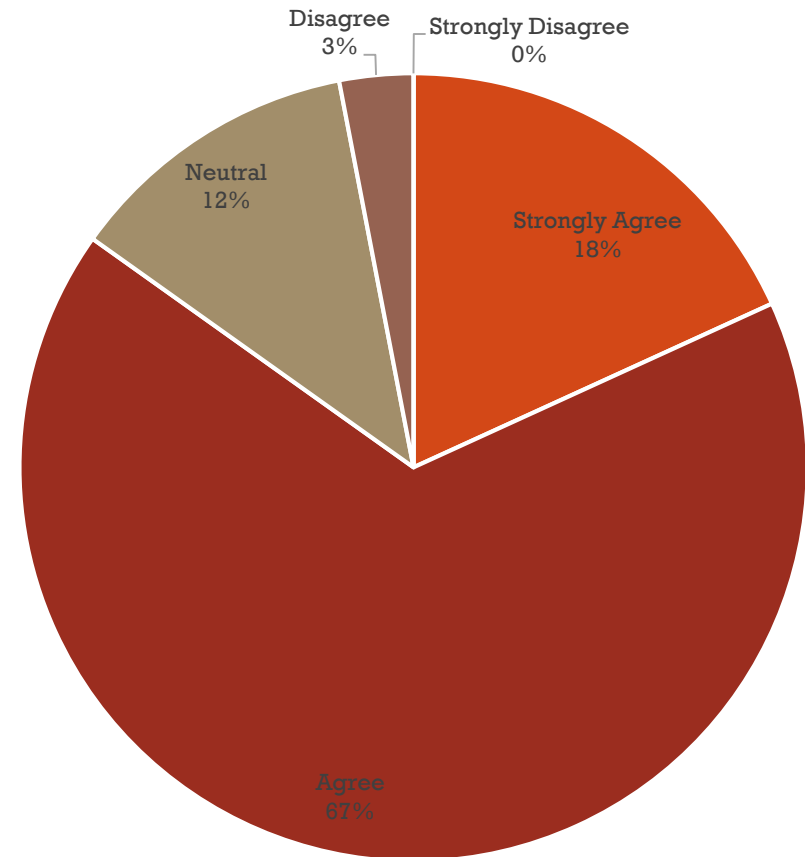


# PRE-SURVEY



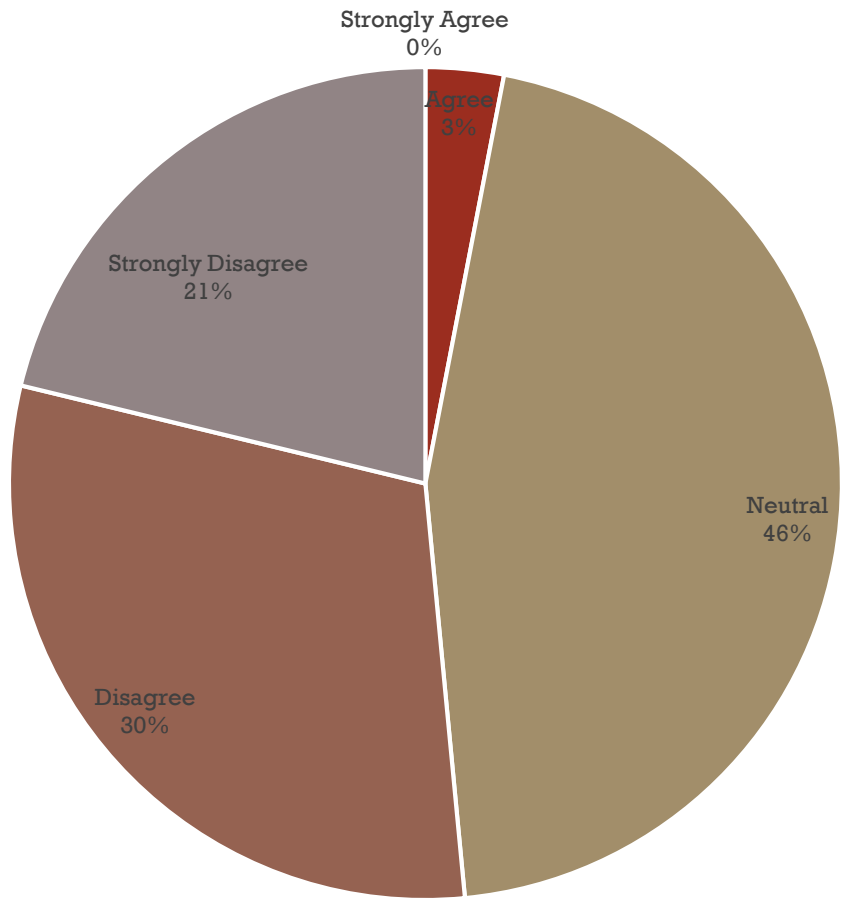
In math, it is important to think hard about ideas.

# POST-SURVEY



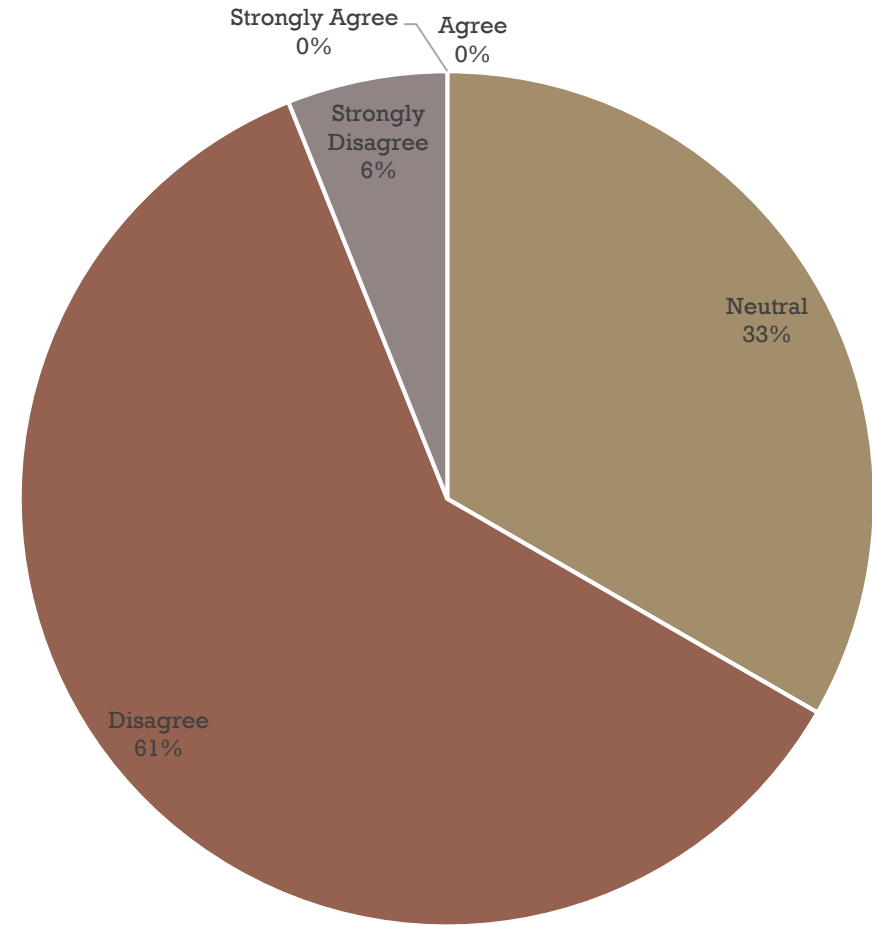


# PRE-SURVEY



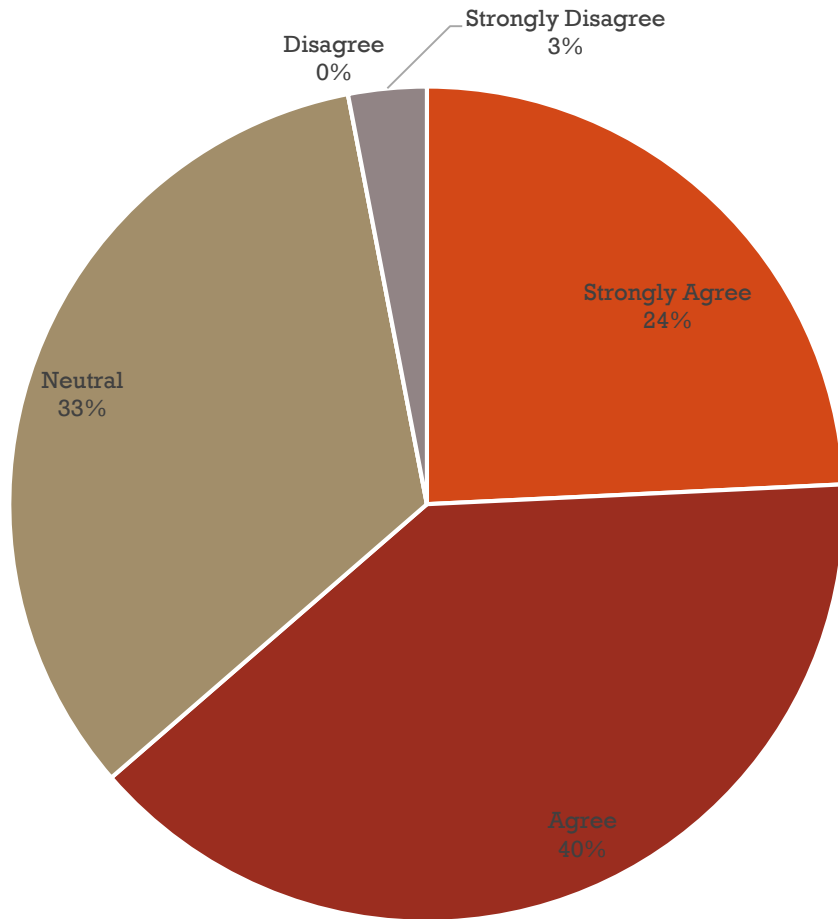
There is usually only one way to solve a math problem.

# POST-SURVEY



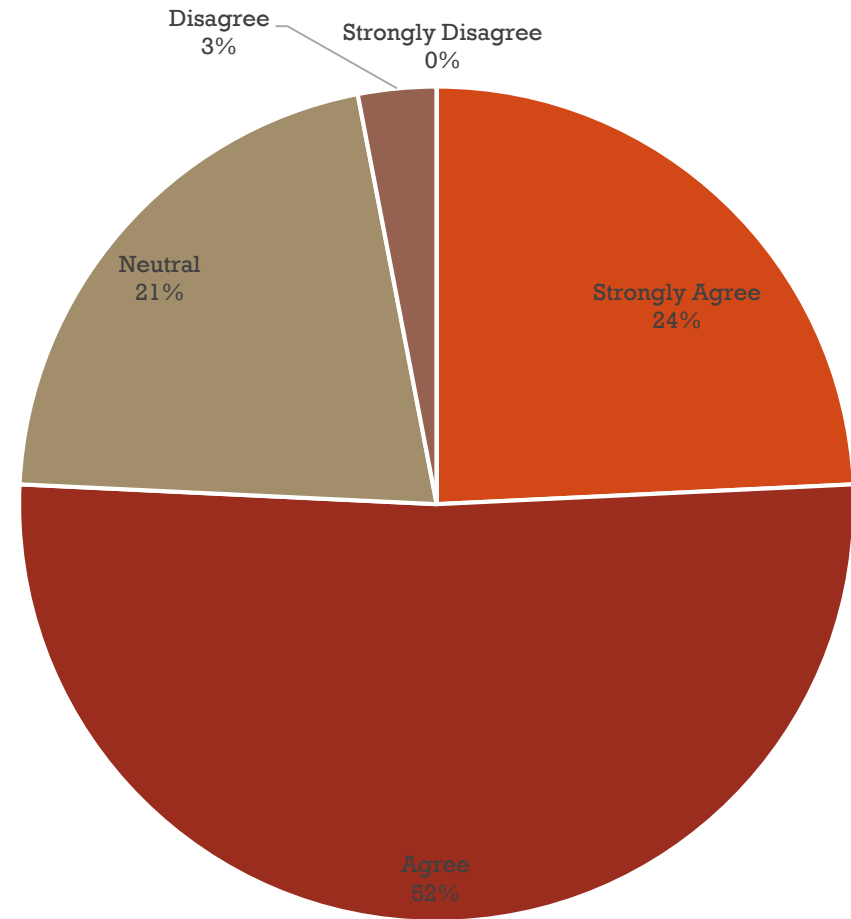


# PRE-SURVEY

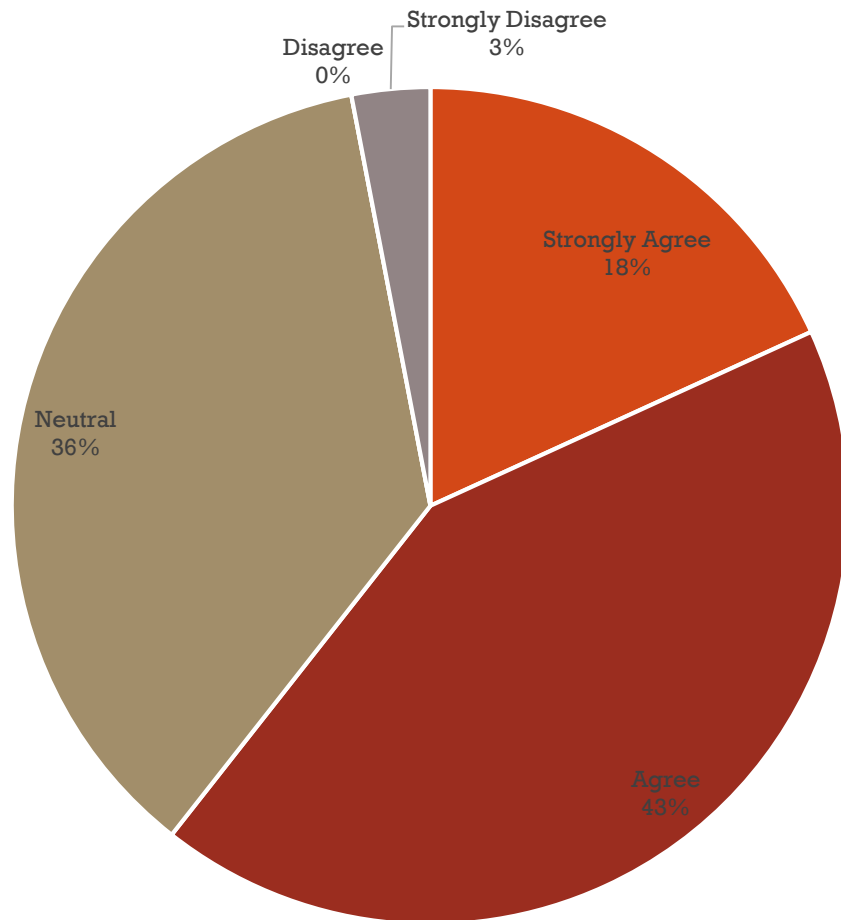


It is helpful to talk about math with others.

# POST-SURVEY

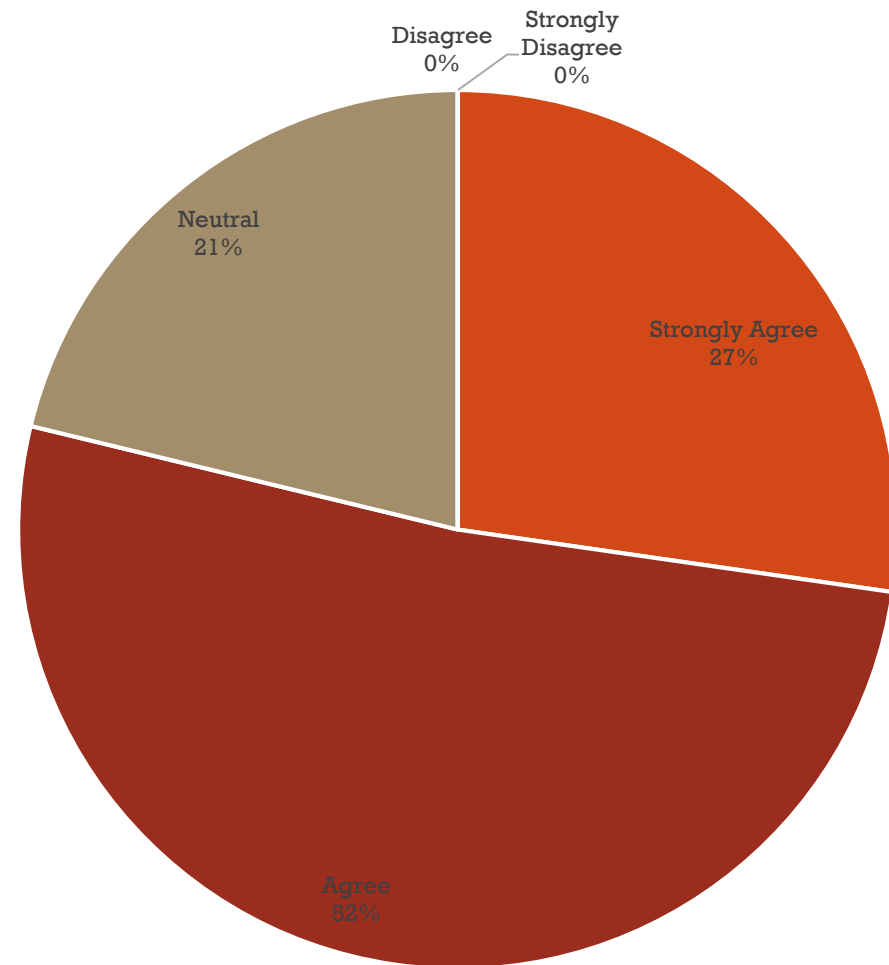


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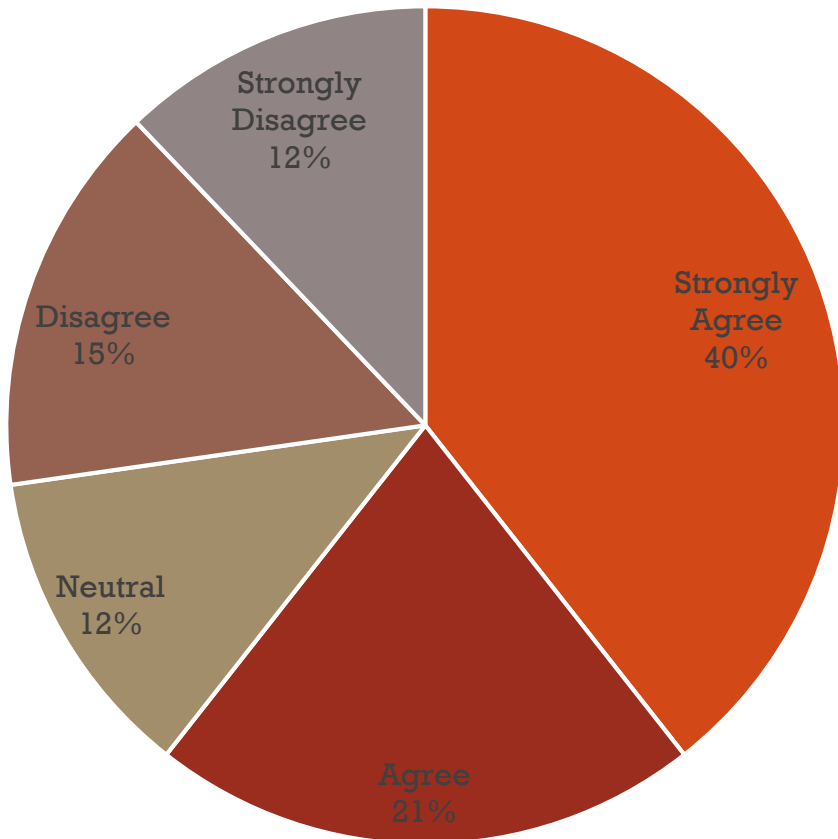
When confronted with a problem, I persevere.

# POST-SURVEY

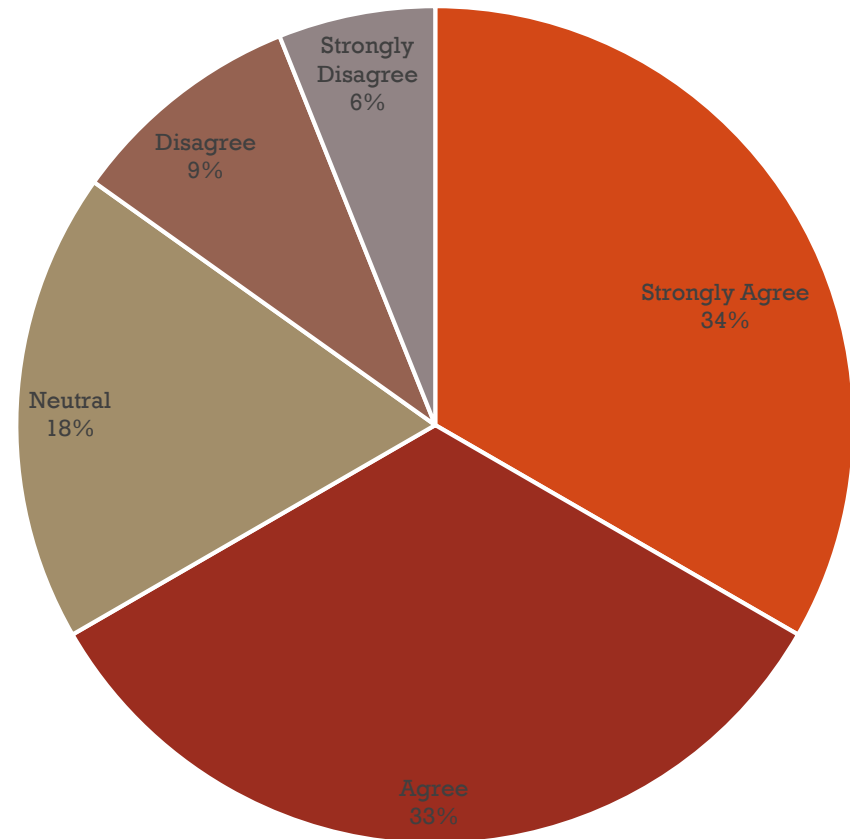


# PRE-SURVEY

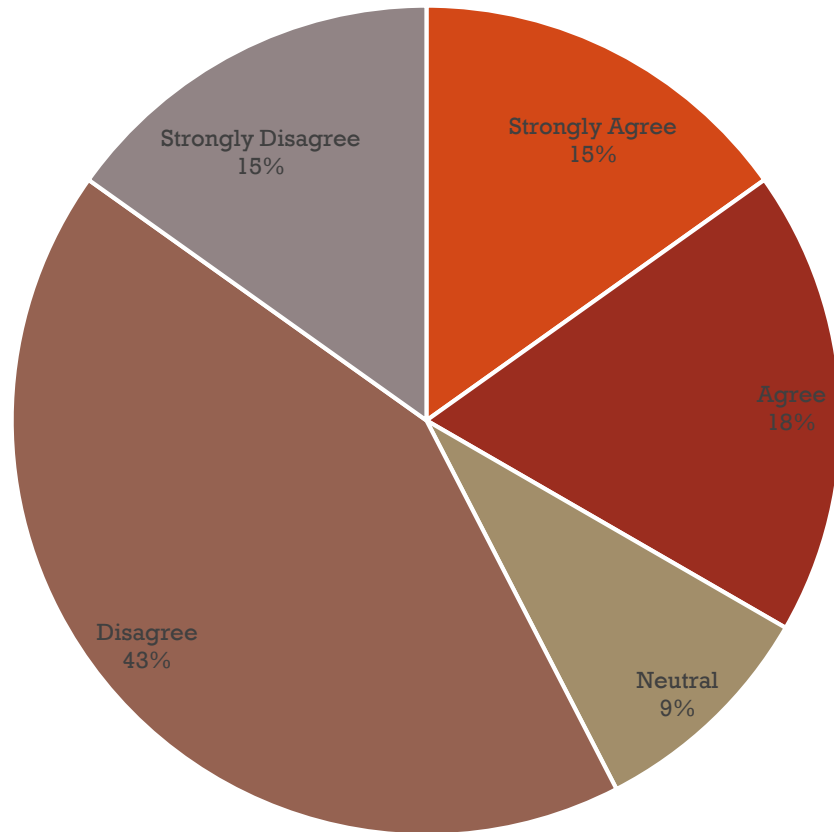
I like math...



# POST-SURVEY

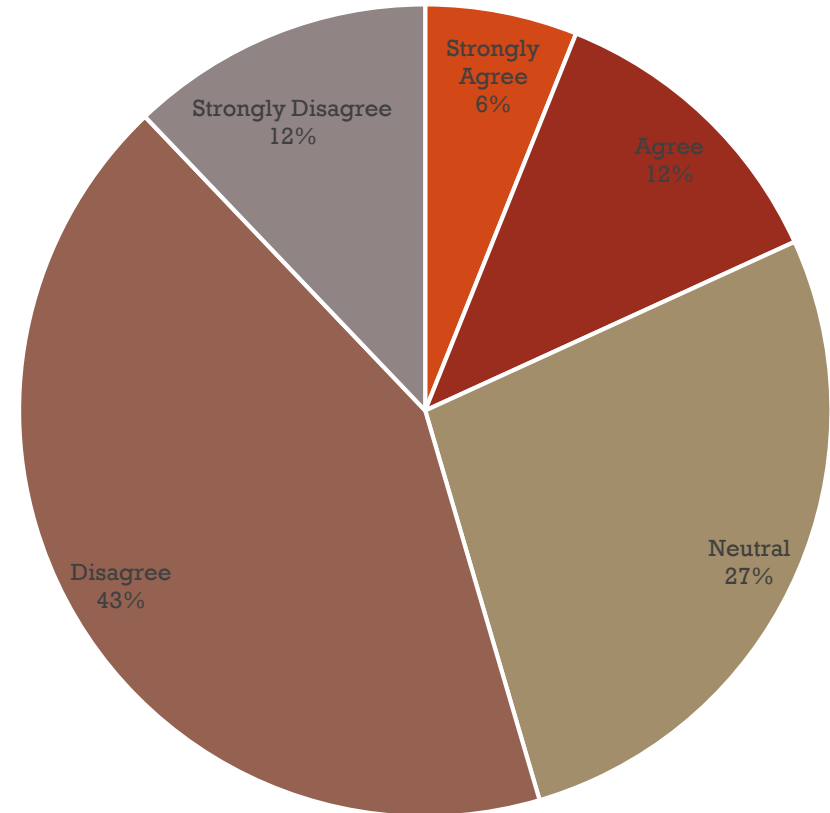


# PRE-SURVEY



Math is confusing to me...

# POST-SURVEY



# NEXT STEPS?

Feedback for us to improve the head start program...

What are your next steps in ensuring smooth grade 8-9 transitions?

