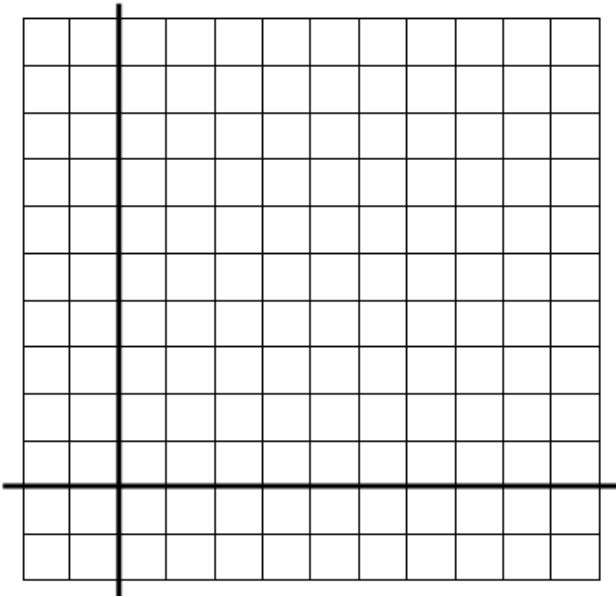


MAKING SUMS OF 10 in Grades 3-4

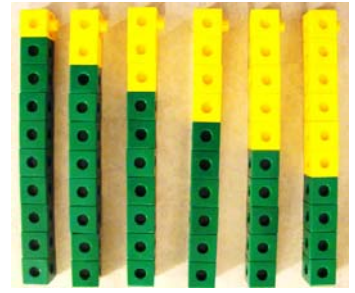
Start with $__ + __ = 10$

- Roll a die to find the first number
- Calculate the second number
- Repeat until you exhaust all possibilities
- Plot the pairs of numbers on a grid
 - the first number goes across
 - the second vertically



MAKING SUMS OF 10 in Grade 1

$__ + __ = 10$

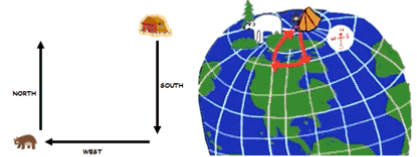


MORE EXAMPLES

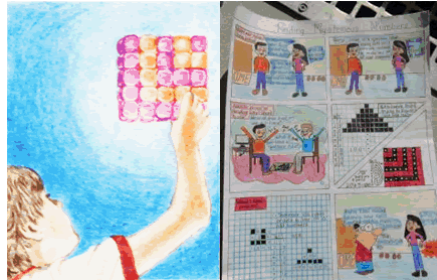
- “Hey Mom, do you think you could hold **infinity** in your hand?”



- “Dad, do you think **parallel lines** ever meet?”



- “Look! **Odd numbers** hide in squares! Where do even numbers hide?”



“We enjoyed talking and learning about parallel lines. The kids (and my husband and I) originally thought it was not possible to end up back at the tent (by travelling south, west and north). That’s what we were taught of course. However, looking at the globe we realized that parallel lines do meet at the north pole. The entire family got involved and it even carried over into a discussion as we went for a drive. It was fun getting everyone’s point of view.”

RESOURCES

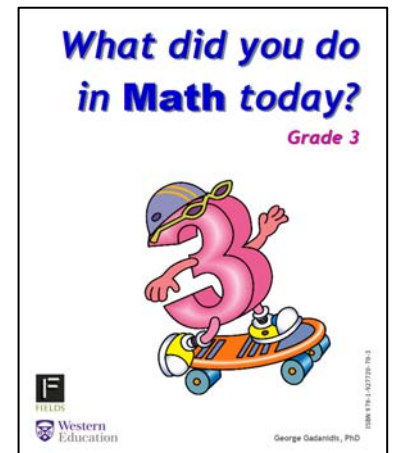
Websites

- My projects website - www.joyofx.com
- Classroom documentaries – www.ResearchIdeas.ca
 - classroom videos, lesson plans
- Free online courses for teachers – www.ResearchIdeas.ca/domath
 - with Certificates of Completion from the Fields Institute
- Free online Grade 3 textbook – www.ResearchIdeas.ca/wmt3
 - ready for September 2014
- Math stories – from NASCO or www.BrainyDay.ca
 - see the *Math Waves* story – www.brainyday.ca/math-waves.html
- Math Performance Festival – www.MathFest.ca
 - submit a math performance!
- Math concerts – www.ResearchIdeas/jx
 - music videos

QUESTIONS?

Send me an email

- **George Gadanidis**
- ggadanid@uwo.ca or gadanidis@gmail.com
- www.joyofx.com



Free online textbook ready for September 2014
www.ResearchIdeas.ca/wmt3