



# Math News

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**STRATEGICALLY**  
Use **TOOLS**

**MP5:** I can select and use the appropriate tools to help me solve problems.

## Mathematical Practice Standard 5: Use appropriate tools strategically

With this mathematical practice, students use appropriate tools when solving problems. These tools might include the use of manipulatives like counters, base-10 blocks, pattern blocks, rulers, and protractors. However, it also includes pencil and paper as a tool to create diagrams, tables, and graphs. Students should become proficient with tools appropriate for their grade level and recognize which tools will aid their problem solving processes. Number lines and the area model of multiplication are two tools that the *Common Core Standards* require students to use and be familiar with.



## WHAT'S NEW?

This edition of "[Tina Talks](#)" provides information about growth and fixed mindsets and how your mindset can affect achievement.



Fire new synapses and grow your math brain! "Like" the [Shelton Math Dendrite](#) Facebook page to stay current with math trends and instruction.



Click here for a slideshow showcasing [Sunnyside's House of Robot Night](#)

What a fantastic night!! We had about 80 families participate in various robot themed math, science, arts, and technology activities.

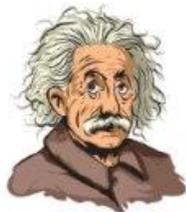
## Spring Assessments

**It's that time of year!**

Students are starting their spring assessments and universal screeners to determine their growth from the start of the school year. In math, these assessments include Aimsweb, NWEA, and Symphony Math. In addition, 3<sup>rd</sup> and 4<sup>th</sup> grade students will be taking the Smarter Balance Assessment in May.

**It's not that I'm so smart, it's just that I stay with problems longer.**

- Albert Einstein



## Math Vocabulary

### OPEN NUMBER LINES

Open number lines are a powerful tool that prepares elementary students for mental math computation. This number line has no predetermined numbers or markers. An open number line is a math tool used to visually represent students thinking strategies during the process of mental computation. To use this tool, students need to have a secure sense of numbers to 100 and be able to mentally add/subtract a multiple of 10 or 100 to a given number.

The link below shows how this strategy works for subtraction.  
<https://www.youtube.com/watch?v=8LYJa6Av1PA>

Open Number Line Strategies

So many ways to add!

**48 + 23**

Diagram 1: 48 to 58 (+10), 58 to 68 (+10), 68 to 69 (+1), 69 to 70 (+1), 70 to 71 (+1)

Diagram 2: 48 to 58 (+10), 58 to 68 (+10), 68 to 70 (+2), 70 to 71 (+1)

Diagram 3: 48 to 68 (+20), 68 to 71 (+3)

Diagram 4: 40 to 60 (+20), 60 to 68 (+8), 68 to 71 (+3)

# Sunnyside Tigers know their math!!



Grade 3 students created robot drawings and then determined the area of their robots.



Kindergarten students created and solved their own math number stories.



Grade 1 students build number sense by adding and subtracting 10 and 1 to a given number.



**\*\* Way to go!! Grade 3 and 4 students have been using IXL during their math block and academic support time. They have answered over 145,000 math questions!!**



Grade 2 students are completing a unit on measurement and data. Students learned how to measure to the nearest whole inch and centimeter.

