

Math Empowers ²



Creating Math Talk Communities

As educators, we are challenged to engage our students in meaningful math talk that allows them to construct viable arguments and critique others' reasoning. When students engage in meaningful math talk, they are able to increase their conceptual understanding and deepen their content knowledge. There are five strategies that are helpful in supporting the development of more meaningful math talk:

1. Discuss why math talk is important.
2. Teach students how to listen and respond.
3. Introduce sentence stems. (See page 252)
4. Contrast explanation versus justification.
5. Give an example.

Be sure to read the attached NCTM article for more information.

NUMBERLESS WORD PROBLEMS

"They just add all the numbers. It doesn't matter what the problem says."

Many educators have expressed this thought especially when referencing struggling students. Fortunately, Dr. Eric Milou has shared another valuable resource that could prove to be the perfect remedy. **NUMBERLESS WORD PROBLEMS** allow "... students the opportunity to develop a better understanding of the underlying structure of word problems." This is achieved through a scaffolding approach and effective questioning. Consider presenting NWP to your students utilizing the links below and learn more from the creator, Brian Bushart (formerly Stockus).



End of Year Reminder!

Be sure to give students the opportunity to preview third grade using the "Getting Ready for Grade 3" materials included in your GO Math! Planning Guide. Considering the last Grade 2 topic is fractions, you may want to start with the following lessons:

Lesson 18: Fraction Models: Thirds & Sixths

Lesson 19: Fraction Models: Fourths & Eighths

Lesson 20: Compare Fraction Models

Preparing them for the next year will also help you identify the skills students may need to review. (Such as subtraction)



Numberless Word Problems

<http://tinyurl.com/jhyhzut>

Joining Situations:

Join-Result Unknown

<http://tinyurl.com/z5ro7pp>

Join-Change Unknown <http://tinyurl.com/jzgrjt3>

Join-Start Unknown <http://tinyurl.com/hyptwqy>

Separating Situations:

Separate-Result Unknown <http://tinyurl.com/hb5n9p9>

Separate-Change Unknown <http://tinyurl.com/jsygcnx>

Separate-Start Unknown <http://tinyurl.com/h3v4lpu>

Part-Part-Whole Situations:

Whole Unknown Problems <http://tinyurl.com/j5hqdzv>

Introducing NWP: <http://tinyurl.com/hi4vbfx>

Writing NWP: <http://tinyurl.com/gq2g8n8>

