# Third Grade Math Learning Progression

**Vocabulary:** procedure, model, demonstrate, solution, pattern, estimate, support, verify, appropriate

Develop and demonstrate a thorough and successful procedure for solving math story problems

Model and demonstrate creating pictures to represent a variety of math problems (Draw a Picture)

Model and demonstrate the pattern(s) in a word problem (Look for a pattern)

Model and practice checking a solution to determine if the solution is correct, or make an adjustment as necessary to arrive at a correct solution (Guess and Check)

Given a variety of problems, choose an appropriate strategy to solve the problem

3.6.E & G

Students will select and use one or more appropriate strategies to solve a problem, and explain why a specific problem-solving strategy was used to determine a solution.

\*\*CCSSM Practice #1\*\*

"Given a variety of problems, I can select the best problem solving strategy to apply and find the correct answer."

**Formative Assessments:** 

Make a ring of strategy cards for students to choose a strategy.

https://cba.nwesd.org/coop/math/3grade/index.html

http://www.k12.wa.us/mathem atics/pubdocs/Updatesfor2012 GR3-5.pdf

http://www.pasd.wednet.edu/school/mathwasl/3g.htm

"I can use a successful plan or procedure to solve math problems that includes: 1) find what the question asks, 2) find the important information and 3) apply the correct math operation(s) by reading through the problem more than once!"

## **Formative Assessments:**

Provide a set of problems and students will demonstrate how they will apply their problem solving procedure successfully. "I can represent the given math problems with appropriate pictures and labels."

### **Formative Assessments:**

Provide a set of math problems and students will draw and explain how their pictures support and apply to the given problems

"I can recognize number patterns, tell you want the next numbers are in the pattern and state the pattern's rule."

# **Formative Assessments:**

https://cba.nwesd.org/coop/math/3grade/index.html

www.proteacher.com

www.Mathwire.com

www.abcteacher.com

www.ezschool.com

"Using the given information, I can make a guess about the answer and check my accuracy by checking to see if the answer fits the problem. If not I will adjust my guess and check the new answer again until I am successful."

# **Formative Assessments:**

https://cba.nwesd.org/coop/ math/3grade/index.html

http://www.pasd.wednet.edu/school/mathwasl/3g.htm

Circle Sums
Triangle Sums



**Math & Science Collaborative Inquiry Project**