Expected Fluency (K-8)

- K   Add/Subtract within 5

- 1   Add/Subtract within 10

- 2   Add/Subtract within 20 (know single digit sums from memory)
- 2   Add/Subtract within 100 using strategies based on place value

- 3   Multiply/Divide within 100 (know single digit sums from memory)
- 3   Add/Subtract within 1000 using strategies based on place value

- 4   Add/Subtract multi-digit whole numbers using the standard algorithm

- 5   Multi-digit multiplication using the standard algorithm

- 6   Multi-digit division
- 6   Multi-digit decimal operations

- 7   Solve one-variable equations of the form $px + q = r$ and $p(x+q) = r$

Recommended Fluency (9-12)

- **Algebra I**
  - Solving characteristic problems involving the analytic geometry of lines
  - Fluency in adding, subtracting and multiplying polynomials
  - Fluency in transforming expressions and seeing parts of an expression as a single object

- **Geometry**
  - Fluency with the triangle congruence and similarity criteria
  - Fluency with the use of coordinates
  - Fluency with the use of construction tools

- **Algebra II**
  - Divide polynomials with remainder by inspection in simple cases
  - See structure in expressions and use the is structure to rewrite expressions
  - Fluency in translating between recursive definitions and closed forms