Unit 1-4-Math Fluency with Math Talks

Content Area: **Math**
Course(s): **Math 5**
Time Period: **MP1-4**
Length: **Entire Year**
Status: **Published**

Essential Questions

- How can strategies be used to increase fluency?

Big Ideas

- **Fluency Strategies:** The program includes Math Talks, Number Strings and solve and share problems which provide students with the opportunity to discuss numbers while building strong mathematical reasoning skills. The program engages students in mathematical discussions that involve the use of modeling and numerical strategies. Students will cover the following strategies: splitting, use a friendly number, get to a friendly number, give and take, over and adjust, find the distance, keep the same distance, double, use partial products, use five times, use ten times, double and half, factor and group flexibility, multiply up, partial quotients and use relationships.

Enduring Understandings

Numbers and Operations in Base Ten

4.NBT.B Use place value understanding and properties of operations to perform multi-digit arithmetic.

Numbers and Operations – Fractions

4.NF.B Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers.

Mathematical Practices Focus

1. Make sense of problems and persevere in solving them.

2. Reason abstractly and quantitatively.

3. Construct viable arguments and critique the reasoning of others.

4. Model with mathematics.

5. Use appropriate tools strategically.

6. Attend to precision.

7. Look for and make use of structure.

8. Look for and express regularity in repeated reasoning.