**CISD 2013 Math 5th Grade Summary**

**Common Core Grade Level Big ideas:**

|  |  |
| --- | --- |
| **Number sense – finalize fluency with addition, subtraction, multiplication and division with base 10 numerals** | **Place Values systems with fractions and decimals** |
| **Fluent addition and subtractions of fractions** | **Understand volume (base\*height)** |
| **Fluency with Decimal Operations** |  |
|  |  |
|  |  |

**Math Recovery Levels**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Skills and Concepts** | **FNWS** | **BNWS** | **NID** | **Structuring** | **Addition and Subtraction** | **Place Value** | **Mult. and Division** |
| **Average Beginning/End of year goal** | **5** | **5** | **5** | **5** | **4** | **5** | **3** | **5** | **3** | **5** | **3** | **5** | **3** | **5** |
| **Students struggle with at the beginning of the year** |  |  | Identify numbers beyond thousands (with zeros in different spots) | Struggle with 5-wise and doubles | Moving beyond counting on and counting down from. | Don’t jump or split. Use standards algorithm | Make equal groups, stress/skip count (Need visual markers) |
| **Student can do at the at the end** |  |  | Fluency through 6 digit numerals | Use all varieties fluently | Non-counting mental math, choose efficient strategy | Add and subtract 3 digit numbers with regrouping using multiple methods (split, jump, jump/split, compensation, …) | Multiplication and division sees as inverse operations. Multiplicative thinking. Fluent 0-9 facts. |