**2nd Grade Module 1 Topic Analysis**

**Big Picture Questions-**

What enables students to make the jump from “Addition and Subtraction within 20” to “Addition and Subtraction within 100?”

What are the Level 2 and Level 3 strategies that are developed in 1st grade (see the pictures)? How do they make computation more efficient?

What’s interesting about the arrangement of the application problems and concept developments in this module? Why are they arranged this way?

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| **Questions About the Topics** | **Answers from the Overview** | **Standards Addressed** |
| **Topic A: Foundations for Addition and Subtraction Within 20**   * What prior learning is revisited in Topic A? * How is this understanding extended in this module? |  |  |
| **Topic B: Mental Strategies for Addition and Subtraction within 20**   * What are the culminating mental math strategies developed in this Topic? * How does Topic B expand what students can do by build upon what students already know? |  |  |

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| **Topic C: Strategies for Addition and Subtraction within 100**   * What types of addition and subtraction problems within 100 do the students start with? * How will the students begin the process of solving problems that cross the multiples of 10? * How does the second work sample shown in Topic C combine the two problem types shown in Topic B? |  |  |