**Grade 4 Module 3 Topic Analysis Handout**

**First Half of Lessons**

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| **Questions About the Topics** | **Answers from the Overview** | **Standards Addressed** |
| **Topic A- Multiplicative Comparison Word Problems**   * What context will students use to explore multiplicative comparisons? * What does Topic A lay the foundation for in upcoming years? |  |  |
| **Topic B: Multiplication by 10, 100, and 1000**   * Why are students asked to reason between number disks and numerical work? * Topic B lays the foundation for which upcoming Module 3 Topics? |  |  |
| **Topic C: Multiplication of Up to Four-Digits by Single-Digit Numbers**   * What methods will students use to record their work in Topic C? * What clarification does footnote 1 provide for the multiplication algorithm? |  |  |
| **Topic D: Two-Step Multiplication Word Problems**   * What is the purpose of Topic D? * What operations will students be able to use to solve the problems? |  |  |

**Second Half of Lessons**

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| **Questions About the Topics** | **Answers from the Overview** | **Standards Addressed** |
| **Topic E: Division of Tens and Ones with Successive Remainders**   * Which foundational concepts does Topic E build upon? * What clarifications are provided by footnotes 2 and 3? |  |  |
| **Topic F: Reasoning With Divisibility**   * How is Topic F connected to the work of this module? * Topic F provides the foundation for which upcoming Module 3 Topic? |  |  |
| **Topic G: Division of Thousands, Hundreds, Tens, and Ones**   * Topic G builds upon the work of which Topics that came earlier in this Module? * What is the purpose of using number disks in this Topic? |  |  |
| **Topic H: Multiplication of Two-Digit by Two-Digit Numbers**   * Why is the work of Topic H placed last in this module? * What should students understand about partial products written vertically? |  |  |