**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?
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| **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?
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| **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?
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| **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?
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**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?
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| **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?
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| **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?
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| **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?
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