

Michigan Center School District Math Department Curriculum

Updated October 21, 2014

Grade Level/Course _____ 6th grade math _____

Sequence of Units

- **Unit 1** _____ factors and multiples _____
 - o **Power Strands**
 1. 6.NS.4.B.4 - find GCF, LCM and use of distributive property
 2. 6.EE.A.1- write and evaluate whole number exponents
 3. 6.EE.A.2b- identify parts of expression (sum, product, factor, etc...)
 - o **Vocabulary/Key Concepts**
 4. (greatest) common factor
 5. (least) common multiple
 6. composite/prime
 7. exponent
 8. (prime) factorization
 9. multiplicative identity
 10. square numbers
 11. distributive property
- **Unit 2** _____ Ratio and Rate Reasoning _____
 - o **Power Strands**
 12. 6.RP.A.1. Understand the concept of a ratio and use ratio language
 13. 6.RP.A.2. Understand the concept of a unit rate and use rate language in the context of a ratio relationship.
 14. 6.RP.A.3. Use ratio and rate reasoning to solve real-world and mathematical problems
 - o **Vocabulary/Key Concepts**
 15. ratio and rate language (for each, for every, a/b , a to b, $a:b$)
 16. unit rate (for every 1, per)
 17. equivalent ratios
 18. percent
 19. unit ratio
 20. ratio unit

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- **Unit 3** Using Fraction Operations
 - o **Power Strands**
 - 21.6.NS.A. Apply and extend previous understandings of multiplication and division to divide fractions by fractions.

 - o **Vocabulary/Key Concepts**
 - 26. common denominator
 - 27. developing and applying algorithms
 - 28. inverse operations
 - 29. mixed numbers
 - 30. improper fractions
 - 31. operations with fractions