



2011-2012 6th Grade Mathematics Pacing Guide

First Nine Weeks		Can be on TU Assessment starting at this module and on any module after that
Enduring Understanding - Successful problem solvers know how to use a variety of strategies and know if their answers are reasonable.		
Essential Question - What are the specific strategies that have wide application in attacking problems and can help in problem solving?		
<u>NO.3.6.3</u>	Solve, with and without appropriate technology, multi-step problems using a variety of methods and tools Example: objects, mental computation, paper and pencil	1
<u>NO.3.6.1</u>	Apply, with and without appropriate technology, algorithms with computational fluency to perform whole number operations (+, -, x, ÷)	1
1. Enduring Understanding - Decimals represent part of or more than a whole number.		
1. Essential Question - How do operations of decimals compare to operations of whole numbers?		
<u>NO.1.6.3a</u>	Round decimals to a given place value including thousandths	1
<u>NO.1.6.3b</u>	Compare decimals to a given place value including thousandths	1
<u>NO.2.6.5c</u>	Model multiplication of decimals using pictures and physical objects Example: weight, money and measuring cups, rectangular arrays and base ten blocks	1
<u>NO.2.6.5d</u>	Model division of decimals using pictures and physical objects Example: weight, money and measuring cups, rectangular arrays and base ten blocks	1
<u>NO.3.6.2b</u>	Develop and analyze algorithms for computing with decimals and demonstrate, with and without technology, computational fluency in their use and justify the solution	1
2. Enduring Understanding - Every whole number greater than one is either a prime number or can be uniquely factored as a product of primes.		
2. Essential Question - How can a number be broken down into its smallest factors?		
<u>NO.2.6.1</u>	Use divisibility rules to determine if a number is a factor of another number (4, 6, 9)	1
<u>NO.3.6.5a</u>	Find and use factorization (tree diagram) including prime factorization of composite numbers (expanded and exponential notation) to determine the greatest common factor (GCF)	1
<u>NO.3.6.5b</u>	Find and use factorization (tree diagram) including prime factorization of composite numbers (expanded and exponential notation) to determine the least common multiple (LCM)	1
3. Enduring Understanding - Powers and roots are related.		
3. Essential Question - How are powers and roots related?		
<u>NO.1.6.5</u>	Recognize and identify perfect squares and their square roots	1
4. Enduring Understanding - Fractions, decimals, and percents can be used interchangeably.		
4. Essential Question - What determines an appropriate representation of a number?		
<u>NO.1.6.2a</u>	Find decimal equivalents for proper fractions and explain why they represent the same value	2
<u>NO.1.6.2b</u>	Find percent equivalents for proper fractions and explain why they represent the same value	2
<u>NO.1.6.4a</u>	Convert, compare and order fractions (mixed numbers and improper fractions) and find their approximate locations on a number line	2
<u>NO.1.6.4b</u>	Convert, compare and order decimals and find their approximate locations on a number line	2
<u>NO.1.6.4c</u>	Convert, compare and order percents and find their approximate locations on a number line	2

6th Grade Math Pacing Guide

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The Top Books of the Year 6th Grade Math Pacing Guide The year 2023 has witnessed a remarkable surge in literary brilliance, with numerous captivating novels captivating the hearts of readers worldwide. Lets delve into the realm of top-selling books, exploring the engaging narratives that have captivated audiences this year. 6th Grade Math Pacing Guide : Colleen Hoover "It Ends with Us" This touching tale of love, loss, and resilience has captivated readers with its raw and emotional exploration of domestic abuse. Hoover expertly weaves a story of hope and healing, reminding us that even in the darkest of times, the human spirit can prevail. 6th Grade Math Pacing Guide : Taylor Jenkins Reids "The Seven Husbands of Evelyn Hugo" This intriguing historical fiction novel unravels the life of Evelyn Hugo, a Hollywood icon who defies expectations and societal norms to pursue her dreams. Reids compelling storytelling and compelling characters transport readers to a bygone era, immersing them in a world of glamour, ambition, and self-discovery. Discover the Magic : Delia Owens "Where the Crawdads Sing" This evocative coming-of-age story follows Kya Clark, a young woman who grows up alone in the marshes of North Carolina. Owens weaves a tale of resilience, survival, and the transformative power of nature, captivating readers with its evocative prose and mesmerizing setting. These bestselling novels represent just a fraction of the literary treasures that have emerged in 2023. Whether you seek tales of romance, adventure, or personal growth, the world of literature offers an abundance of engaging stories waiting to be discovered. The novel begins with Richard Papen, a bright but troubled young man, arriving at Hampden College. Richard is immediately drawn to the group of students who call themselves the Classics Club. The club is led by Henry Winter, a brilliant and charismatic young man. Henry is obsessed with Greek mythology and philosophy, and he quickly draws Richard into his world. The other members of the Classics Club are equally as fascinating. Bunny Corcoran is a wealthy and spoiled young man who is always looking for a good time. Charles Tavis is a quiet and reserved young man who is deeply in love with Henry. Camilla Macaulay is a beautiful and intelligent young woman who is drawn to the power and danger of the Classics Club. The students are all deeply in love with Morrow, and they are willing to do anything to please him. Morrow is a complex and mysterious figure, and he seems to be manipulating the students for his own purposes. As the students become more involved with Morrow, they begin to commit increasingly dangerous acts. The Secret History is a masterful and suspenseful novel that will keep you wondering until the very end. The novel is a warning tale about the dangers of obsession and the power of evil.

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