

# Math 3010, Math for Elementary Teachers I

Text Book - Mathematics for Elementary Teachers: A Contemporary Approach 10<sup>th</sup> ed. ISBN: 9781118457443

Day	Section	Title
1	1.1	The Problem-Solving Process and Strategies.
	1.2	Three Additional Strategies
2	2.2	Whole Numbers and Numeration (focus on roman numeral system)
3	2.1	Sets as a Basis for Whole Numbers
4	2.3	The Hindu-Arabic System
<b>5</b>	<b>Chapter 1 &amp; 2 Review</b>	
<b>6</b>	<b>Chapter 1 &amp; 2 Test</b>	
7	3.1	Whole Numbers: Addition and Subtraction
8	3.2	Whole Numbers: Multiplication and Division
9	3.3	Whole Numbers: Ordering and Exponents
10	4.1	Mental Math and Estimation
11-12	4.2	Written Algorithms for Whole Number Operations
<b>13</b>	<b>Chapter 3 &amp; 4 Review</b>	
<b>14</b>	<b>Chapter 3 &amp; 4 Test</b>	
15	5.1	Primes, Composites and Tests for Divisibility
16	5.2	Counting Factors, Greatest Common Factor, and Least Common Multiple
17	6.1	The Set of Fractions
18	6.2	Fractions: Addition and Subtraction
19	6.3	Fractions: Multiplication and Division
<b>20</b>	<b>Chapter 5 &amp; 6 Review</b>	
<b>21</b>	<b>Chapter 5 &amp; 6 Test</b>	
22	7.1	Decimals

23	7.2	Operations with Decimals
24	7.3	Ratio and Proportion
25	7.4	Percent
<b>26</b>	<b>Chapter 7 Review</b>	
<b>27</b>	<b>Chapter 7 Test</b>	
28	8.1	Integers: Addition and Subtraction
29	8.2	Integers: Multiplication, Division and Ordering
30	Final Exam Review	