



MA 105-01-1: Math for Elementary Teachers I
School of Education & Behavioral Sciences
Fall 2020 / 3 Credits
Brogan Hall 101
Monday, Wednesday, & Friday 12:40 – 1:40 pm

Instructor:	Dr. Travis Mukina	Office Location:	Brogan 132
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Learning Materials:

- **Textbook:** Beckmann, Sybilla (2017). Mathematics for Elementary Teachers with Activities. 5th ed. Pearson. ISBN-10: 0134392795
- **CueThink:** An online problem-solving platform for mathematical discussions. 
- **GroupMe App:** A way to stay up-to-date with all class routines, assignments, and questions between you, your professor, and your classmates. 
- **Computer Folder/Google Drive/3-Ring Binder:** This should be comprised of provided guided notes lectures, class activities, CueThink problems, problem-solving sets, and exams.

Additional Resources:

- **Common Core State Standards (CCSS) for Mathematics**
 - <http://www.corestandards.org/Math/>

Essential Question(s):

1. What does it mean to reason mathematically?
2. How is mathematics used to quantify and compare situations and events?
3. How does learning mathematics conceptually help me to be a more efficient problem solver?

Course Catalog Description:

This course provides a foundation for prospective early childhood and elementary education majors with pre-K to 8 mathematics. Guided by NCTM Standards and through the study of concepts and properties of number systems; the four fundamental operations of arithmetic; the basic knowledge in data, the student will be able to undertake further study in mathematics education. *Offered every semester. This course fulfills Track C general education requirement in mathematics for Early Childhood Education and Elementary Education majors.*

Mission Statement:

The mission of the education division is to foster the education of teachers and leaders in education through programs based in the liberal arts tradition, Catholic Marianist's values, current research, and best practices.

Marianist Values:

1. Educate for Formation in Faith
2. Provide an Integral Quality Education
3. Educate in Family Spirit
4. Educate for Service, Justice, and Peace
5. Educate for Adaptation and Change

WASC Core Competencies:

1. Written Communication
2. Oral Communication
3. Quantitative Reasoning
4. Critical Thinking
5. Information Literacy

Program Learning Outcomes (PLOs):

1	Content Knowledge - Knowledge of subject matter such as reading/language, arts, mathematics, social sciences, science, visual arts, musical arts, and kinesthetic arts.
2	Developmentally Appropriate Practice - Knowledge of how students develop and learn, and engagement of students in developmentally appropriate experiences that support learning.
3	Pedagogical Content Knowledge - Knowledge of how to teach subject matter to students and application of a variety of instructional strategies that are rigorous, differentiated, focused on the active involvement of the learner.
4	Educational Technology - Knowledge of and application of appropriate technology for student learning.
5	Assessment for Learning - Knowledge of and use of appropriate assessment strategies that enhance the knowledge of learners and their responsibility for their own learning.
6	Diversity - Skills for adapting learning activities for individual differences and the needs of diverse learners and for maintaining safe positive, caring, and inclusive learning environments.
7	Focus on Student Learning - Skills in the planning and design of meaningful learning activities that support and have positive impact on student learning based upon knowledge of subject matter, students, the community, curriculum standards, and integration of appropriate technology.
8	Professional & Ethical Dispositions and Communication - Professional dispositions, professionalism in teaching, and ethical standards of conduct consistent with Marianist values, and positive and constructive relationships with parents, the school community and professional colleagues.

Course Learning Outcomes (CLOs):

1	Demonstrate mathematics content knowledge required for further study in mathematics education.
2	Use problem-solving skills to investigate real-life mathematical situations, formulate valid questions from problem situations, and represent situations verbally, numerically/symbolically, graphically, and/or geometrically.
3	Develop an appreciation for mathematics as a body of knowledge that is interesting and useful.

General Education Learning Outcomes:

<ul style="list-style-type: none"> Students will apply basic mathematical principles needed to function effectively and develop mathematical reasoning and problem-solving skills. Students will define, identify, locate, evaluate, synthesize and present or demonstrate relevant information.
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Alignment of Learning Outcomes:

	CLO 1	CLO 2	CLO 3
Marianist Values	-Provide an integral and quality education -Educate for adaptation and change	-Provide an integral and quality education -Educate for adaptation and change	-Provide an integral and quality education -Educate for adaptation and change
WASC Core Competencies	-Written Communication -Oral Communication -Quantitative Reasoning -Critical Thinking	-Written Communication -Oral Communication -Quantitative Reasoning -Critical Thinking	-Quantitative Reasoning -Critical Thinking
Program Outcomes	1, 2, 3, 4, 6, 7	1, 2, 3, 4, 5, 6, 7	1, 2, 3, 4, 6, 7
Essential Questions	1, 2, 3	1, 2, 3	1, 2, 3

Assessment:

The assignments described below are each designed to contribute in a different and significant way to your knowledge and experience relative to diagnosis and remediation of mathematics, and to teaching elementary mathematics. Always be prepared to effectively participate to class discussions, analyze the thinking of others in class, and clearly explain your thinking in every assignment. It will be your responsibility to turn in all assignments on time, as late assignments are not accepted. Feedback and grades on all assignments are provided within 2 days of submission.

1. Class Participation – 10% of Final Grade

Due: Ongoing evaluation by instructor throughout the semester

1: *Low Participation*

2: *Majority Participation*

3: *Full Participation*

Your cooperation and active participation are necessary to facilitate this course synchronously and asynchronously, including being actively involved in the class GroupMe app. If you are unable to attend synchronous classes, it is your responsibility to notify your instructor before the start of class and find out from a classmate what you missed. However, you also have a responsibility to be responsive and participate fully in all asynchronous activities. It is important that you listen to the ideas of others and respect their thoughts. Your grade will be determined based a holistic evaluation of your professionalism and participation.

2. CueThink Problems – 20% of Final Grade

Due: Every Friday by Midnight

5 points per problem

This online problem-solving platform is used to promote discussion around different types of open-ended mathematical situations. There are 13 CueThink problems provided throughout the semester where you are expected to provide a solution(s) to the problem, a verbal explanation of your solution, and provide professional feedback on other classmates' solutions. Registration instructions can be found on Canvas.

3. Problem-Solving Sets – 20% of Final Grade

Due: After the Completion of Every Chapter

10 points per set

Each chapter, you will be required to complete five questions from each chapter's content. These questions will require detailed explanation of thought processes and mathematical drawings to show solutions. Please understand that simply "getting the problem correct" is not always sufficient to earn full-credit for the questions.

4. Exams – 30% of Final Grade (15% Each)

Exam 1 (Chapters 1 – 4): Week 8

Exam 2 (Chapters 5 – 8): Week 15

50 points each

Both exams will focus on content demonstrated in the guided notes, activities/discussions that occur in class, and strategies used in your problem-solving sets.

5. Mathematical Approach Analyses – 20% of Final Grade (10% Each)

Mathematical Approach Analysis (Chapters 1 – 4): Week 8

Mathematical Approach Analysis (Chapters 5 – 8): Week 15

25 points each

You must observe and analyze how five different people, not from this course, solve particular mathematics problems covered in selected chapters mentally and on paper with algorithms/diagrams.

Grading Scale	
90 – 100 %	A
80 – 89 %	B
70 – 79 %	C
60 – 69 %	D
0 – 59 %	F

Kokua Ike Tutoring Center:

Kokua Ike provides access to free one-on-one tutoring for undergraduate students. The tutoring services are designed to guide students to the point at which they become independent learners, no longer needing a tutor. Subjects tutored include, but are not limited to: Biology, Mathematics, Nursing, English, etc. The tutoring center consists of trained Peer and Professional Tutors.

- In order to receive tutoring, a student must visit the Student Support Services building and complete a brief contract prior to receiving services.
- After submitting the form, a staff member will assist you in creating an online account that allows you to book an appointment through the online system.
- Hours of Operation: Monday – Friday 8:30am – 4:30pm
- Want to become a tutor? Ask me how!

Course Attendance Policy:

As stated in the Chaminade University Catalog, students are expected to attend all classes for courses in which they are registered. Students must follow the attendance policy as stipulated in the syllabus of Education Division courses. Penalties for not meeting the attendance requirements may result in lowering of the grade, withdrawal from the course, or failing the course.

1. Excused Absences.

1.1. Since it is expected that students will participate in all class sessions, excused absences are only granted in exceptional situations where evidence is provided by the student to the instructor. Examples would include illness (with verification by a doctor) or the death of a close family member. Students should notify their instructors when a situation prevents them from attending class and make arrangements to complete missed assignments. *While notification of the instructor by a student that he/she will be absent is courteous, it does not necessarily mean the absence will be excused.*

1.2. In cases where excused absences constitute a significant portion of a course's meetings (e.g., more than 20% of on-ground course meetings, or a significant portion of online or hybrid courses), the instructor should refer the case to the Dean with a recommendation on how the case should be handled (e.g., withdrawal or incomplete).

2. Unexcused Absences. Chaminade University policy states that in cases where unexcused absences are equivalent to more than a week of classes the instructor has the option of lowering the grade. In the Education Division, we have added detailed guidelines to cover different types of courses and class schedules:

2.1. On-Ground courses: Missing more than 2 weeks of class (6 classes) will result in an automatic lowering of one letter grade after final grade is calculated.

2.2. Online courses and online portion of hybrid courses: The instructor will specify and enforce expectations for online participation and receipt of assignments appropriate to the design of the course. For online/hybrid courses failure to log in for one week is equivalent to an absence in a traditional on-ground course. Two weeks of not logging in constitutes grounds for removal of the student from the course.

3. Additional Notes.

3.1. If a student does not logon to an online or hybrid course for the first two weeks, the instructor should notify the Dean and the student will be withdrawn from the course.

3.2. Any student who stops attending an on-ground course or stops participating in an online course without officially withdrawing may receive a failing grade.

University Policies

Academic Honesty Statement: Violations of the Honor Code are serious. They harm other students, your professor, and the integrity of the University. Alleged violations will be referred to the Office of Judicial Affairs. If found guilty of plagiarism, a student might receive a range of penalties, including failure of an assignment, failure of an assignment and withholding of the final course grade until a paper is turned in on the topic of plagiarism, failure of the course, or suspension from the University.

Violations of Academic Integrity: Violations of the principle include, but are not limited to:

- Cheating: Intentionally using or attempting to use unauthorized materials, information, notes, study aids, or other devices in any academic exercise.
 - Fabrication and Falsification: Intentional and unauthorized alteration or invention of any information or citation in an academic exercise. Falsification is a matter of inventing or counterfeiting information for use in any academic exercise.
 - Multiple Submissions: The submission of substantial portions of the same academic work for credit (including oral reports) more than once without authorization.
 - Plagiarism: Intentionally or knowingly presenting the work of another as one's own (i.e., without proper acknowledgment of the source).
 - Abuse of Academic Materials: Intentionally or knowingly destroying, stealing, or making inaccessible library or other academic resource materials.
- Complicity in Academic Dishonesty: Intentionally or knowingly helping or attempting to help another to commit an act of academic dishonesty.

Plagiarism includes, but is not limited to:

- Copying or borrowing liberally from someone else's work without his/her knowledge or permission; or with his/her knowledge or permission and turning it in as your own work.
- Copying of someone else's exam or paper.
- Allowing someone to turn in your work as his or her own.
- Not providing adequate references for cited work.
- Copying and pasting large quotes or passages without properly citing them.

Title IX Compliance: Chaminade University of Honolulu recognizes the inherent dignity of all individuals and promotes respect for all people. Sexual misconduct, physical and/or psychological abuse will NOT be tolerated at CUH. If you have been the victim of sexual misconduct, physical and/or psychological abuse, we encourage you to report this matter promptly. As a faculty member, I am interested in promoting a safe and healthy environment, and should I learn of any sexual misconduct, physical and/or psychological abuse, I must report the matter to the Title IX Coordinator. If you or someone you know has been harassed or assaulted, you can find the appropriate resources by visiting Campus Ministry, the Dean of Students Office, the Counseling Center, or the Office for Compliance and Personnel Services.

Disability Access: If you need individual accommodations to meet course outcomes because of a documented disability, please speak with me to discuss your needs as soon as possible so that we can ensure your full participation in class and fair assessment of your work. Students with special needs who meet criteria for the Americans with Disabilities Act (ADA) provisions must provide written documentation of the need for accommodations from the Counseling Center by the end of week three of the class, in order for instructors to plan accordingly. If a student would like to determine if they meet the criteria for accommodations, they should contact the Kokua Ike Coordinator at (808) 739-8305 for further information (ada@chaminade.edu).

Course Outline (Fall 2020)

*The professor reserves the right to make adjustments to this outline to better accommodate student needs.

Blue Group (A)	Silver Group (B)	Everyone (Online)
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Week # Date	Class Description	Assignments Due by Midnight
Week 1 August 24 th	Introduction to Course & Syllabus Chapter 1: Numbers and the Base-Ten System [Pages 1 – 37] <ul style="list-style-type: none"> • <i>Section 1.1:</i> The Counting Numbers • <i>Section 1.2:</i> Decimals and Negative Numbers • <i>Section 1.3:</i> Reasoning to Compare Numbers in Base Ten • <i>Section 1.4:</i> Reasoning about Rounding 	<ul style="list-style-type: none"> • GroupMe App Confirmation • CueThink Registration
Week 1 August 26 th	Introduction to Course & Syllabus Chapter 1: Numbers and the Base-Ten System [Pages 1 – 37] <ul style="list-style-type: none"> • <i>Section 1.1:</i> The Counting Numbers • <i>Section 1.2:</i> Decimals and Negative Numbers • <i>Section 1.3:</i> Reasoning to Compare Numbers in Base Ten • <i>Section 1.4:</i> Reasoning about Rounding 	
Week 1 August 28 th	Chapter 1: Numbers and the Base-Ten System <ul style="list-style-type: none"> • Chapter 1 Guided Notes Questions • Problem-Solving Set (Chap. 1) Questions 	<ul style="list-style-type: none"> • CueThink Problem #1 August 30 th <ul style="list-style-type: none"> • Problem-Solving Set (Chap. 1)
Week 2 August 31 st	Chapter 2: Fractions and Problem-Solving [Pages 48 – 67] <ul style="list-style-type: none"> • <i>Section 2.2:</i> Defining and Reasoning About Fractions • <i>Section 2.3:</i> Reasoning About Equivalent Fractions 	
Week 2 September 2 nd	Chapter 2: Fractions and Problem-Solving [Pages 48 – 67] <ul style="list-style-type: none"> • <i>Section 2.2:</i> Defining and Reasoning About Fractions • <i>Section 2.3:</i> Reasoning About Equivalent Fractions 	
Week 2 September 4 th	Chapter 2: Fractions and Problem-Solving <ul style="list-style-type: none"> • Chapter 2 Guided Notes Questions • Problem-Solving Set (Chap. 2) Questions 	<ul style="list-style-type: none"> • CueThink Problem #2
Week 3 September 7 th	LABOR DAY	NO CLASS
Week 3 September 9 th	Chapter 2: Fractions and Problem-Solving [Pages 70 – 88] <ul style="list-style-type: none"> • <i>Section 2.4:</i> Reasoning to Compare Fractions • <i>Section 2.5:</i> Reasoning About Percent 	
Week 3 September 11 th	Chapter 2: Fractions and Problem-Solving <ul style="list-style-type: none"> • Chapter 2 Guided Notes Questions • Problem-Solving Set (Chap. 2) Questions 	<ul style="list-style-type: none"> • CueThink Problem #3 September 13 th

		<ul style="list-style-type: none"> • Problem-Solving Set (Chap. 2)
Week 4 September 14 th	Chapter 3: Addition and Subtraction [Pages 92 – 120] <ul style="list-style-type: none"> • <i>Section 3.1:</i> Interpretations of Addition and Subtraction • <i>Section 3.2:</i> The Commutative and Associative Properties of Addition, Mental Math, and Single-Digit Facts • <i>Section 3.3:</i> Why the Standard Algorithms for Addition and Subtraction in Base Ten Work 	
Week 4 September 16 th	Chapter 3: Addition and Subtraction [Pages 92 – 120] <ul style="list-style-type: none"> • <i>Section 3.1:</i> Interpretations of Addition and Subtraction • <i>Section 3.2:</i> The Commutative and Associative Properties of Addition, Mental Math, and Single-Digit Facts • <i>Section 3.3:</i> Why the Standard Algorithms for Addition and Subtraction in Base Ten Work 	
Week 4 September 18 th	Chapter 3: Addition and Subtraction <ul style="list-style-type: none"> • Chapter 3 Guided Notes Questions • Problem-Solving Set (Chap. 3) Questions 	<ul style="list-style-type: none"> • CueThink Problem #4
Week 5 September 21 st	Chapter 3: Addition and Subtraction [Pages 123 – 139] <ul style="list-style-type: none"> • <i>Section 3.4:</i> Reasoning About Fraction Addition and Subtraction • <i>Section 3.5:</i> Why We Add and Subtract with Negative Numbers the Way We Do 	
Week 5 September 23 rd	Chapter 3: Addition and Subtraction [Pages 123 – 139] <ul style="list-style-type: none"> • <i>Section 3.4:</i> Reasoning About Fraction Addition and Subtraction • <i>Section 3.5:</i> Why We Add and Subtract with Negative Numbers the Way We Do 	
Week 5 September 25 th	Chapter 3: Addition and Subtraction <ul style="list-style-type: none"> • Chapter 3 Guided Notes Questions • Problem-Solving Set (Chap. 3) Questions 	<ul style="list-style-type: none"> • CueThink Problem #5 September 27 th <ul style="list-style-type: none"> • Problem-Solving Set (Chap. 3)
Week 6 September 28 th	Chapter 4: Multiplication [Pages 142 – 161] <ul style="list-style-type: none"> • <i>Section 4.1:</i> Interpretations of Multiplication • <i>Section 4.2:</i> Why Multiplying by 10 is Special in Base Ten • <i>Section 4.3:</i> The Commutative and Associative Properties of Multiplication, Area of Rectangles, and Volumes of Boxes 	
Week 6 September 30 th	Chapter 4: Multiplication [Pages 142 – 161] <ul style="list-style-type: none"> • <i>Section 4.1:</i> Interpretations of Multiplication • <i>Section 4.2:</i> Why Multiplying by 10 is Special in Base Ten • <i>Section 4.3:</i> The Commutative and Associative 	

	Properties of Multiplication, Area of Rectangles, and Volumes of Boxes	
Week 6 October 2 nd	Chapter 4: Multiplication <ul style="list-style-type: none"> Chapter 4 Guided Notes Questions Problem-Solving Set (Chap. 4) Questions 	<ul style="list-style-type: none"> CueThink Problem #6
Week 7 October 5 th	Chapter 4: Multiplication [Pages 166 – 190] <ul style="list-style-type: none"> <i>Section 4.4</i>: The Distributive Property <i>Section 4.5</i>: Properties of Arithmetic, Mental Math, and Single-Digit Multiplication Facts <i>Section 4.6</i>: Why the Standard Algorithm for Multiplying Whole Numbers Works 	
Week 7 October 7 th	Chapter 4: Multiplication [Pages 166 – 190] <ul style="list-style-type: none"> <i>Section 4.4</i>: The Distributive Property <i>Section 4.5</i>: Properties of Arithmetic, Mental Math, and Single-Digit Multiplication Facts <i>Section 4.6</i>: Why the Standard Algorithm for Multiplying Whole Numbers Works 	
Week 7 October 9 th	Chapter 4: Multiplication <ul style="list-style-type: none"> Chapter 4 Guided Notes Questions Problem-Solving Set (Chap. 4) Questions 	<ul style="list-style-type: none"> CueThink Problem #7 October 11 th <ul style="list-style-type: none"> Problem-Solving Set (Chap. 4)
Week 8 October 12 th	DISCOVERERS' DAY	NO CLASS
Week 8 October 14 th	EXAM 1 (Chapters 1 – 4)	
Week 8 October 16 th	EXAM 1 (Chapters 1 – 4)	
Week 9 October 19 th	Chapter 5: Multiplication of Fractions, Decimals, and Negative Numbers [Pages 196 – 209] <ul style="list-style-type: none"> <i>Section 5.1</i>: Making Sense of Fraction Multiplication <i>Section 5.2</i>: Making Sense of Decimal Multiplication 	<ul style="list-style-type: none"> Mathematical Approach Analysis (Chap. 1 – 4)
Week 9 October 21 st	Chapter 5: Multiplication of Fractions, Decimals, and Negative Numbers [Pages 196 – 209] <ul style="list-style-type: none"> <i>Section 5.1</i>: Making Sense of Fraction Multiplication <i>Section 5.2</i>: Making Sense of Decimal Multiplication 	
Week 9 October 23 rd	Chapter 5: Multiplication of Fractions, Decimals, and Negative Numbers <ul style="list-style-type: none"> Chapter 5 Guided Notes Questions Problem-Solving Set (Chap. 5) Questions 	<ul style="list-style-type: none"> CueThink Problem #8
Week 10 October 26 th	Chapter 5: Multiplication of Fractions, Decimals, and Negative Numbers	

	<p>[Pages 210 – 219]</p> <ul style="list-style-type: none"> • <i>Section 5.3:</i> Extending Multiplication to Negative Numbers • <i>Section 5.4:</i> Powers and Scientific Notation 	
Week 10 October 28 th	<p>Chapter 5: Multiplication of Fractions, Decimals, and Negative Numbers</p> <p>[Pages 210 – 219]</p> <ul style="list-style-type: none"> • <i>Section 5.3:</i> Extending Multiplication to Negative Numbers • <i>Section 5.4:</i> Powers and Scientific Notation 	
Week 10 October 30 th	<p>Chapter 5: Multiplication of Fractions, Decimals, and Negative Numbers</p> <ul style="list-style-type: none"> • Chapter 5 Guided Notes Questions • Problem-Solving Set (Chap. 5) Questions 	<ul style="list-style-type: none"> • CueThink Problem #9 <p>November 1st</p> <ul style="list-style-type: none"> • Problem-Solving Set (Chap. 5)
Week 11 November 2 nd	<p>Chapter 6: Division</p> <p>[Pages 222 – 250]</p> <ul style="list-style-type: none"> • <i>Section 6.1:</i> Interpretations of Division • <i>Section 6.2:</i> Division and Fractions and Division with Remainders • <i>Section 6.3:</i> Why Division Algorithms Work 	
Week 11 November 4 th	<p>Chapter 6: Division</p> <p>[Pages 222 – 250]</p> <ul style="list-style-type: none"> • <i>Section 6.1:</i> Interpretations of Division • <i>Section 6.2:</i> Division and Fractions and Division with Remainders • <i>Section 6.3:</i> Why Division Algorithms Work 	
Week 11 November 6 th	<p>Chapter 6: Division</p> <ul style="list-style-type: none"> • Chapter 6 Guided Notes Questions • Problem-Solving Set (Chap. 6) Questions 	<ul style="list-style-type: none"> • CueThink Problem #10
Week 12 November 9 th	<p>Chapter 6: Division</p> <p>[Pages 253 – 276]</p> <ul style="list-style-type: none"> • <i>Section 6.4:</i> Fraction Division from the How-Many-Groups Perspective • <i>Section 6.5:</i> Fraction Division from the How-Many-Units-in-1-Group Perspective • <i>Section 6.6:</i> Dividing Decimals 	
Week 12 November 11 th	VETERAN'S DAY	NO CLASS
Week 12 November 13 th	<p>Chapter 6: Division</p> <p>[Pages 253 – 276]</p> <ul style="list-style-type: none"> • <i>Section 6.4:</i> Fraction Division from the How-Many-Groups Perspective • <i>Section 6.5:</i> Fraction Division from the How-Many-Units-in-1-Group Perspective • <i>Section 6.6:</i> Dividing Decimals 	<ul style="list-style-type: none"> • CueThink Problem #11 <p>November 15th</p> <ul style="list-style-type: none"> • Problem-Solving Set (Chap. 6)
Week 13 November 16 th	<p>Chapter 7: Ratio and Proportional Relationships</p> <p>[Pages 282 – 297]</p> <ul style="list-style-type: none"> • <i>Section 7.1:</i> Motivating and Defining Ratio and Proportional Relationships • <i>Section 7.2:</i> Solving Proportion Problems by Reasoning with Multiplication and Division 	
Week 13	Chapter 7: Ratio and Proportional Relationships	

November 18 th	[Pages 282 – 297] <ul style="list-style-type: none"> • <i>Section 7.1</i>: Motivating and Defining Ratio and Proportional Relationships • <i>Section 7.2</i>: Solving Proportion Problems by Reasoning with Multiplication and Division 	
Week 13 November 20 th	Chapter 7: Ratio and Proportional Relationships <ul style="list-style-type: none"> • Chapter 7 Guided Notes Questions • Problem-Solving Set (Chap. 7) Questions 	<ul style="list-style-type: none"> • CueThink Problem #12 November 22 nd <ul style="list-style-type: none"> • Problem-Solving Set (Chap. 7)
Week 14 November 23 rd	Chapter 8: Number Theory [Pages 337 – 348] <ul style="list-style-type: none"> • <i>Section 8.1</i>: Factors and Multiples • <i>Section 8.2</i>: Even and Odd • <i>Section 8.3</i>: Divisibility Tests 	
Week 14 November 25 th	Chapter 8: Number Theory [Pages 337 – 348] <ul style="list-style-type: none"> • <i>Section 8.1</i>: Factors and Multiples • <i>Section 8.2</i>: Even and Odd • <i>Section 8.3</i>: Divisibility Tests 	
Week 14 November 27 th	THANKSGIVING BREAK	NO CLASS
Week 15 November 30 th	Chapter 8: Number Theory <ul style="list-style-type: none"> • Chapter 8 Guided Notes Questions • Problem-Solving Set (Chap. 8) Questions 	
Week 15 December 2 nd	Chapter 8: Number Theory [Pages 350 – 373] <ul style="list-style-type: none"> • <i>Section 8.4</i>: Prime Numbers • <i>Section 8.5</i>: Greatest Common Factor and Least Common Multiple • <i>Section 8.6</i>: Rational and Irrational Numbers 	
Week 15 December 4 th	Chapter 8: Number Theory <ul style="list-style-type: none"> • Chapter 8 Guided Notes Questions • Problem-Solving Set (Chap. 8) Questions 	<ul style="list-style-type: none"> • CueThink Problem #13 December 6 th <ul style="list-style-type: none"> • Problem-Solving Set (Chap. 8)
Finals Week December 7 th		<ul style="list-style-type: none"> • Exam 2 (Chap. 5 – 8) • Mathematical Approach Analysis (Chap. 5 – 8)