Course Syllabus
Concepts of Basic Mathematics DMAT 0066
Lecture-based (LEC)
Spring 2015

Table of Contents
Course Syllabus ...................................................................................................................... 3
Math/Science Learning Center ............................................................................................... 3
Hours for Spring 2015: .......................................................................................................... 3
Instructor Information ............................................................................................................ 3
Course Information ................................................................................................................ 3
Required or Recommended Textbooks and Materials ........................................................... 4
Technical Support .................................................................................................................. 4
Course Objectives .................................................................................................................. 4
Means of Assessment of Course Learning Outcomes ............................................................ 5
Weekly Course Outline (Calendar) ........................................................................................ 5
Evaluation Procedures ............................................................................................................ 5
HOMEWORK .................................................................................................................... 5
ATTENDANCE ................................................................................................................... 6
TESTS ................................................................................................................................ 6
Testing Center Information (Room A425) ............................................................................. 7
Testing Policy for Mathematics & Science Division: ........................................................ 7
Testing Center Hours ......................................................................................................... 8
Testing Center Procedures ................................................................................................. 8
Grading Scale ......................................................................................................................... 8
Grade Alternatives ............................................................................................................... 9
Availability of Course Materials ............................................................................................ 9
Discipline/ Course/ Department/Policies ............................................................................. 9
Calculators........................................................................................................................... 9
Math Learning Center ......................................................................................................... 9
The Math Success Center ................................................................................................. 10
Cell Phone Use .................................................................................................................... 10
Disruptive Behavior ............................................................................................................ 10
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Institutional Policies</td>
<td>10</td>
</tr>
<tr>
<td>Academic Dishonesty</td>
<td>10</td>
</tr>
<tr>
<td>Notification Of Absence Due To Religious Holy Day(s)</td>
<td>11</td>
</tr>
<tr>
<td>Requirements Of The Americans With Disabilities Act</td>
<td>11</td>
</tr>
<tr>
<td>Drop Policy</td>
<td>11</td>
</tr>
<tr>
<td>Administrative Withdrawal</td>
<td>11</td>
</tr>
<tr>
<td>Financial Aid Statement</td>
<td>12</td>
</tr>
<tr>
<td>Stop Before You Drop</td>
<td>12</td>
</tr>
<tr>
<td>Counseling Services</td>
<td>12</td>
</tr>
<tr>
<td>The Academic Skills Center (ASC)</td>
<td>12</td>
</tr>
<tr>
<td>TSI Information</td>
<td>13</td>
</tr>
<tr>
<td>Food and Drink in the Classroom</td>
<td>13</td>
</tr>
<tr>
<td>Appendix</td>
<td>14</td>
</tr>
<tr>
<td>Learning Activities, Outcomes, and Assessment</td>
<td>14</td>
</tr>
</tbody>
</table>
Course Syllabus
Concepts of Basic Mathematics DMAT 0066
Lecture-based (LEC)
Spring 2015

Math/Science Learning Center
Location: P330  Phone: 972-273-3500  Fax: 972-273-3534

Hours for Spring 2015:
Monday - Thursday: 8:00 am – 8:00 pm
Friday: 8:00am – 4:30pm
Saturday and Sunday: Closed

This course syllabus is intended as a set of guidelines for the DMAT 0066 course. Both North Lake College and your instructor reserve the right to make modifications in content, schedule, and requirements as necessary to promote the best education possible within prevailing conditions affecting this course.

Instructor Information
Instructor: Lee Stover
Email: lstover@dcccd.edu
Office Phone: NLC Math Office phone: 972-273-3500
Office: No Office
Office Hours: No office hours but can meet by appointment

Course Information
Course title: DMAT 0066-73032 and DMAT 0066-73253
Credit hours: 3 credit hours
Class meeting time: Section 73032: TU/TH 9:30am – 10:50am  Room C242
Section 73253 : Sat 8:30am – 11:40am  Room C205
Course description: This course is designed to develop the skills and understanding to perform the fundamental operations on whole numbers, fractions and decimals. Topics include the base ten system, rounding, prime numbers, factors, least common multiples and conversions between decimals and fractions.

ACGM description: Topics in mathematics such as arithmetic operations, geometry, and real number systems.

Course prerequisites: Appropriate score on the mathematics placement exam.

Required or Recommended Textbooks and Materials

- Basic College Mathematics MLP Package for North Lake College

Technical Support

MyLabsPlus support website: http://www.mylabsplus.com/support
Technical support for MyLabsPlus: 1-888-883-1299
Technical support for eCampus: 972-669-6402

Course Objectives

To develop a further understanding of the process of learning mathematics, the factors which can interfere with that process, and to continue to build the fundamentals of arithmetic necessary for a foundation for future courses or utilization in a career or other endeavor.
Chapter 1: Whole Numbers
Chapter 2: Multiplying and Dividing Fractions
Chapter 3: Adding and Subtracting Fractions
Chapter 4: Decimals

Means of Assessment of Course Learning Outcomes

Course Learning Outcomes will be assessed by a variety of means.
1. Homework will be assigned and assessed either using the software component and/or by the instructor.
2. Observation of students as they interact in groups and discussions will be used to assess all outcomes.
3. Students will complete projects and/or learning activities that will address specific course learning outcomes.

Weekly Course Outline (Calendar)

Please see Appendix attached to the end of this syllabus for a complete and detailed Course Outline (Calendar). Pay careful attention to the listed dates.

Evaluation Procedures

HOMEWORK
Each student is required to purchase the online component (called MyLabsPlus) that comes with a new book.

Homework is the most important learning tool in a course.
- It reinforces classroom instruction.
- It provides an immediate and personal measure of your competence in the course.
- The homework will be 15% of your final course grade.

The instructor’s role of facilitating learning is greatly enhanced for the student who has completed the homework. The classroom environment is more favorable for learning when the student has studied the material in the text/software site, has tried to work the problems, and uses the classroom to get supplementary information and assistance that is not available in the text/software site. Students are required to earn at least a 75% on each homework assignment. The student that earns a 100% on each homework assignment and gets help when necessary will be the most successful in this course.

Time Requirements:
- You can expect to spend a minimum of 9 hours per week on this class.
- The 9 hours = 3 hours of class time + at least 6 additional hours outside of class working through the material and homework.
- If you cannot donate this amount of time to math homework, your success will be diminished.
ATTENDANCE
Absences are generally detrimental to one’s performance in a course. You are expected to attend regularly in order that you may increase your chances for a successful semester in algebra.

Tardies are strongly discouraged as they are disruptive to the class and thus the students who are on time. However, it is better to come late than not at all, as long as it is not a habit with one particular individual. If you anticipate a particular problem, please discuss it with me before or after class.

This portion of the final course grade will be determined by the number of unexcused absences, using the following table:

<table>
<thead>
<tr>
<th>Absences</th>
<th>0 - 2</th>
<th>3</th>
<th>4</th>
<th>5</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Grade</td>
<td>100</td>
<td>95</td>
<td>90</td>
<td>85</td>
<td>80</td>
<td>75</td>
<td>70</td>
<td>65</td>
<td>60</td>
<td>55</td>
<td>50</td>
</tr>
</tbody>
</table>

| Absences | 13  | 14  | 15  | 16  | 17  | 18  | 19  | 20  | 21   | 22   | 22 + |
| Grade    | 45  | 40  | 35  | 30  | 25  | 20  | 15  | 10  | 5    | 0    |

TESTS
There are three types of tests: pre-tests, mastery tests and written tests.

- **Pretests (on MLP)**
  - The pretest will generate a study plan specifically for you.
  - The pretest is optional but must at least be opened and submitted in order to move forward.
  - The pretest is used to determine what concepts a student already knows.

- **Mastery tests (on MLP)**
  - The mastery test will help determine your readiness to take the written test.
  - All homework for the unit should be completed with a 75% or better before a student is allowed to complete the mastery test.
  - Students should strive to earn at least a 85% on the mastery test before taking a written test. Although this is not a requirement, students that earn a 85% or better on the mastery test are more likely to pass the written exam and the course.
  - Students will have limited attempts for each mastery test. Before retaking the mastery test, it is recommended that the first attempt be reviewed.
  - The highest grade on each chapter mastery test will be used to determine your mastery test average.

  *The mastery tests will be part of your final course grade.*
• **Written Tests**
  o All written tests will be taken in the testing center of the campus in which you attend class unless otherwise approved by the instructor.
  o **Written tests will be accessed via eCampus and the NLC-DMAT-0066 Testing Community ~ See eCampus for more details.**
  o Only ONE Retake may be taken in a semester (NOT one per test)
  o The written tests are the main part of your course grade.
  o There are **four (4) written chapter tests and one final exam**.
  o All written tests will be graded according to the Guidelines for Homework Assignments and All Tests (see eCampus).
  o Only ONE (1) written exam can be taken per week after the 4/27/15, which occurs at the end of **Week 14 of the semester**.
  o **The written test average will be 60% of your final course grade.**

Special note on written tests:
  o All written tests will be based on homework problems that are assigned throughout the semester.
  o **All written tests will test your understanding of the course concepts that are covered throughout the semester and through various forms of questioning and application problems. This means the exams are not identical to problems you have worked but designed to test your understanding of the concepts presented.**
  o The homework and mastery test are designed to prepare you to succeed on the written chapter test.

• **Final Exam**
  o The final exam will be taken after all coursework has been completed.
  o **The final exam covers Chapters 1, 2, 3, and 4.**
  o The final exam is required and will be taken in the classroom at the time specified in the Official Final Exam Schedule.
  o **The final exam will be 10% of your final course grade.**

**Testing Center Information (Room A425)**

**Testing Policy for Mathematics & Science Division:**

- If you need special accommodations you must talk to your instructor and submit a request to the Disability Services Office in person (A430) or by phone at 972-273-3165. Visit [http://www.northlakecollege.edu/services-and-resources/advice-and-assistance/Pages/disability-services.aspx](http://www.northlakecollege.edu/services-and-resources/advice-and-assistance/Pages/disability-services.aspx) for more information.
- You may not bring personal items into the Test Center. This includes bags, cell phones and pagers. Coin-reimbursable (quarter) lockers are available for student use. The testing center is not responsible for lost or stolen items. Please do not share lockers.
- Please show courteous and cooperative behavior while using the services provided by the Testing Center.
- **Do not bring children to the testing center.** You must make arrangements for the care of your children prior to your exam date. The police department will be notified of any unattended children.
- **Do not** take any testing materials with you when you leave the Testing Center. This includes the test, answers, charts, scratch paper. These items will be attached to your test. **To do so constitutes Academic Dishonesty.**
Academic Dishonesty
The Dallas County Community District has established procedures and guidelines to protect the security and integrity of all exams. All incidents of academic dishonesty are documented and reported to the instructor, the Director of Testing and the Dean of Student Enrollment. Questions? Please visit the Testing Center (A425) or call 972-273-3160.

Testing Center Hours
Monday – Thursday: 8:30 a.m. to 8:00 p.m.
No tests will be issued after 7:00 p.m. and all exams will be collected at 8:00 p.m.

Friday - Saturday: 8:30 a.m. to 3:30 p.m.
No tests will be issued after 2:30 p.m. and all exams will be collected at 3:30 p.m.
*Important: hours and days may vary due to holidays or other events, please verify the Testing Center will be open before you arrive.

Testing Center Procedures
If your instructor requires you to complete an exam in the Testing Center, be sure to have the following information when you request your test.

- Instructor’s name
- Subject and course number (DMAT 0066)
- Exam number (1st, 2nd, 3rd, etc.)
- Exam deadline (Get this information from your instructor. The testing staff cannot “look up” this information on computers.)

You should also bring the following supplies.

- Government- or school-issued photo identification is required & enforced
- Pencil & Eraser
- A Test Request Form must be completed before entering the Testing center.
- Money for coin-return lockers (quarter). Please do not share lockers.

Grading Scale
Computing Your Grade:
Written Chapter Tests: 60%
Homework: 15%
Attendance: 5%
Daily Work: 10% (Includes Mastery tests, quizzes, SLO activities, projects, etc.)
Final Test: 10 %

Your course grade will be determined by the following:
A = 90 – 100%
B = 80 – 89%
C = 70 – 79%  *The letter grade of D is no longer given in DMAT classes*
F = 0 – 69%; Grade of F or E (if earned) will be reported.
**Grade Alternatives**

E - **Consistent** attendance and participation in class is **mandatory**.
- Student re-enrolls in same course and begins with pre-testing at the very beginning of the course.
- The E grade is non-punitive. (It is not computed in the GPA.)
- The student will be required to pay for the new attempt of the course.
- To earn the E option the following requirements must be met:
  1. **Student had regular attendance (i.e. 10 or less unexcused absences).**
  2. Student made a valid effort to complete the required material.
  3. Student must restart the class from beginning.

I – Incomplete
- Only given in EXTREME CIRCUMSTANCES or if the student has only the last chapter to complete.
- Requires instructor permission and consent by the Dean of the department.

**Availability of Course Materials**

Access to coursework on MyLabsPlus is dependent upon the beginning and ending of the semester. Students may not be able to access their coursework except under instructor supervision and during their enrolled semester.

**Discipline/ Course/ Department/Policies**

**Calculators**

**PER DEPARTMENTAL DECISION – EFFECTIVE SPRING 2006**

Since calculators are not permitted on the tests, it is best to attempt homework without the aid of a calculator. Answers to odd problems are in the back of the book for you to check your answers.

**Math Learning Center**

The Math Learning Center (C211) provides generalized instructional services for students enrolled in North Lake MATH and DMAT courses. Students must show a North Lake College I.D. These include:
- Tutoring in all math courses taught at North Lake College;
- Computers that may be used by students enrolled in courses that have an Internet component such as homework systems (MyLabsPlus, ConnectMath). This lab is restricted to students working on MATH or DMAT courses;
- Graphing calculators and textbooks that are available for use in center;
- Graph Stamps so students can make their own graph paper; and
- A quiet area to study.

**The Math Learning Center Hours** (C211)

Monday through Thursday: 8:00 a.m. – 9:00 p.m.
Friday & Saturday: 9:00 a.m. – 2:00 p.m.
**The Math Success Center**
The Math Success Center (C207) provides intensive assistance to students enrolled in developmental (credit or CE) mathematics courses or College Algebra (MATH 1314) at North Lake College. Students must show a North Lake College I.D.:
- This Center provides and promotes activities that are connected with success in mathematics.
- Students can make up class absences.
- They can learn how to study math and manage their time;
- Receive specialized tutoring from seasoned faculty;
- Learn how math relates to their lives; and
- Experience the benefits of working with a study group.

**The Math Success Center Hours** (C207) (subject to revision)
Monday through Thursday: 9:30 a.m. - 7:00 p.m.
Friday & Saturday: 9:00 a.m. - 2:00 p.m.

**Cell Phone Use**
The use of cell phones or other similar devices is prohibited during class time. You are expected to turn OFF and put away all such devices BEFORE entering the classroom. **Students caught with a cell phone in their possession while taking a test will be given a zero (0) for that test and may face disciplinary action.**

**Disruptive Behavior**
Distractive talking will not be tolerated. A warning will be given and if not heeded, the student will be asked to leave. Re-admittance to the class will be through the dean’s office.

**Institutional Policies**

**Academic Dishonesty**
The Student Code of Conduct prohibits academic dishonesty and prescribes penalties for violations. According to this code, which is printed in the college catalog, "academic dishonesty", includes (but is not limited to) cheating, fabrication, facilitating academic dishonesty, plagiarism, and “collusion". The Vice-President of Academic & Student Affairs may initiate disciplinary proceedings against a student accused of academic dishonesty. Academic dishonesty includes, but is not limited to, cheating on a test, plagiarism and collusion.

1) Cheating on a test includes:
   a) Copying from another student’s test paper;
   b) Using, during a test, materials not authorized by the person giving the test;
   c) Collaborating with another student during a test without permission to do so;
   d) Knowingly using, buying, selling, stealing, transporting, or soliciting in whole or part the contents of an un-administered test;
e) Substituting for another student, or permitting another student to substitute for you to take a test;
f) Bribing another person to obtain an un-administered test or information about an unadministered test.

2) “Plagiarism” means the appropriation of another’s work (ideas and/or words) and the unacknowledged incorporation of that work in one’s written work offered for credit. Quotes not identified as quotes constitute a form of plagiarism even if the borrowed ideas are documented.

3) “Collusion” means an unauthorized collaboration with another person in preparing written work offered for credit.

Academic dishonesty may result in the following sanctions, including, but not limited to:
1. A grade of zero or a lowered grade on the assignment or course.
2. A reprimand.
3. Suspension from the college.

Notification Of Absence Due To Religious Holy Day(s)
Students who will be absent from class for the observance of a religious holiday must notify the instructor in advance. Please refer to the Student Obligations section of the college catalog for more explanation. You are required to complete any assignments or take any examinations missed as a result of the absence within the time frame specified by your instructor.

Requirements Of The Americans With Disabilities Act
North Lake College provides academic accommodations to students with disabilities, as defined under ADA law. It is the student's choice and responsibility to initiate any request for accommodations. If you are a student with a disability who requires such ADA accommodations, please contact North Lake College's Disability Services Office in person (A430) or by phone at 972-273-3165. For further information, go online to: http://www.northlakecollege.edu/resources/disability.html

Drop Policy
If you are unable to complete this course, you must officially withdraw by Thursday, April 16, 2015. Withdrawing is a formal procedure which you must initiate; your instructor cannot do it for you. All Dallas County Community Colleges charge a higher tuition rate to students registering the third time for a course. This rule applies to the majority of credit and Continuing Education / Workforce Training courses. Developmental Studies and some other courses are not charged a higher tuition rate. Third attempts include courses taken at any DCCCD college since the fall 2002 semester. For further information, go online to: http://www.DCCCD.edu/thirdcourseattempt.

Administrative Withdrawal
Students with valid extenuating circumstances may be eligible for an administrative withdrawal by the Dean of the Division in which the course or courses are taught. An administrative withdrawal will not be awarded to students who simply fail to withdraw prior to the last day to receive a “W.” The request for an administrative withdrawal must
be made in writing to the Dean of the Division with any supporting documentation attached. This must occur before the last official day of the semester.

**Financial Aid Statement**

Students who are receiving any form of financial aid should check with the Financial Aid Office prior to withdrawing from classes. Withdrawals may affect your eligibility to receive further aid and could cause you to be in a position of repayment for the current semester. **Students who fail to attend or participate are also subject to this policy.**

To apply for financial aid in the DCCCD, students must complete FAFSA (Free Application for Federal Student Aid) on the web at: [http://www.fafsa.ed.gov](http://www.fafsa.ed.gov)

**Stop Before You Drop**

**DO NOT DROP UNTIL YOU SPEAK WITH YOUR INSTRUCTOR.**

For students who enrolled in college level courses for the first time in the fall of 2007, Texas Education Code 51.907 limits the number of courses a student may drop. You may drop no more than 6 courses during your entire undergraduate career unless the drop qualifies as an exception. Your campus counseling/advising center will give you more information on the allowable exceptions. Remember that once you have accumulated 6 non-exempt drops, you cannot drop any other courses with a “W”. Therefore, please exercise caution when dropping courses in any Texas public institution of higher learning, including all seven of the Dallas County Community Colleges. For more information, you may access: [https://www1.dcccd.edu/coursedrops](https://www1.dcccd.edu/coursedrops)

**Counseling Services**

Counseling services for personal issues are provided to all students currently enrolled at North Lake College. These services are provided by licensed professionals who are bound by confidentiality (within ethical parameters) at no charge. With the assistance of a counselor, students are able to identify, understand, resolve issues and develop appropriate skills. To make an appointment call 972-273-3333 or visit A 430.

**The Academic Skills Center (ASC)**

The Academic Skills Center (ASC) is designed to provide assistance to students in the following areas:

- Labs for students enrolled in foreign language, Developmental Reading, and ESOL courses. One-on-one tutoring is available.
  - The Writing Center can help students clarify writing tasks, understand instructors’ requirements, develop and organize papers, explore revision options, detect grammar and punctuation errors, and properly use and document sources. Rather than merely editing or "fixing" papers, tutors focus on helping students develop and improve their writing skills.
  - The Online Writing Lab (OWL) allows students to submit papers to our writing tutors electronically and get feedback within 24-72 hours. The OWL can be accessed through eCampus. After logging on to eCampus, click on the Community Tab at the top. Type “Owl” in the search field and click “Go.” Next, click on the double drop-down arrows next to “NLC-OWL2,” and then click on “Enroll.” Once enrolled, students can receive services from the OWL.

For more information or to schedule a tutoring appointment, come by A-332 or call 972-273-3089.
**TSI Information**
TSI (Texas Success Initiative) is the state required assessment program that has replaced TASP. The purpose of TSI is to insure students have the skills to be ready for college level coursework. Dallas County Community College District is allowing students to decide when they will take their developmental coursework. Demonstrated proficiency in skills through completion of DMAT 0093 or a passing score on an assessment instrument is required to move to college level math classes. Students must earn an “A”, “B”, or “C” in their developmental class in order to move to the next developmental level or to a college level class.

Effective for Fall Semester 2005, the Dallas County Community Colleges will charge a higher tuition rate to students registering the third or subsequent time for a course. All third and subsequent attempts of the majority of credit and Continuing Education/Workforce Training courses will result in higher tuition to be charged. Developmental Studies and some other courses will not be charged a higher tuition rate. Third attempts include courses taken at any of the Dallas County Community Colleges since the Fall 2002 semester.

Enrollment in developmental courses is subject to other limitations. Students may enroll in a maximum of 27 hours of developmental courses.
For more information go to the DCCCD web site and click on “Paying for College” and then “Third Course Attempt.”
TSI completion of all areas (reading, math, and writing) is required before being awarded a degree. Based on the first testing score, some students may need to re-test in order to complete TSI requirements.

**Food and Drink in the Classroom**
The college policy restricts food and drink in the classroom.
## Appendix

### Learning Activities, Outcomes, and Assessment

<table>
<thead>
<tr>
<th>Learning Activity: Converting Improper Fractions to Mixed Numbers</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>a. Learning Outcomes:</strong> At least 70% of the students will accurately convert an improper fraction into a mixed number.</td>
</tr>
<tr>
<td><strong>b. Assessment:</strong> This learning outcome will be assessed on a quiz that will be administered via MyLabsPlus.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Learning Activity: Adding Fractions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>a. Learning Outcomes:</strong> At least 75% of the students will accurately find the sum of two proper fractions with like denominators.</td>
</tr>
<tr>
<td><strong>b. Assessment:</strong> This learning outcome will be assessed on a quiz that will be administered via MyLabsPlus.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Learning Activity: Factors and Prime Factorization</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>a. Learning Outcomes:</strong> At least 70% of the students will accurately find the unique prime factorization of a whole number.</td>
</tr>
<tr>
<td><strong>b. Assessment:</strong> This learning outcome will be assessed on a quiz that will be administered via MyLabsPlus.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Learning Activity: Dividing Fractions</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>a. Learning Outcomes:</strong> At least 75% of the students will accurately divide two fractions and simplify.</td>
</tr>
<tr>
<td><strong>b. Assessment:</strong> This learning outcome will be assessed on a quiz that will be administered via MyLabsPlus.</td>
</tr>
<tr>
<td>Week</td>
</tr>
<tr>
<td>----------</td>
</tr>
<tr>
<td>Week 1</td>
</tr>
<tr>
<td>Week 2</td>
</tr>
<tr>
<td>Week 3</td>
</tr>
<tr>
<td>Week 4</td>
</tr>
<tr>
<td>Week 5</td>
</tr>
<tr>
<td>Week 6</td>
</tr>
<tr>
<td>Week 7</td>
</tr>
<tr>
<td>3/9 – 3/15</td>
</tr>
<tr>
<td>Week 8</td>
</tr>
<tr>
<td>Week 9</td>
</tr>
<tr>
<td>Week 10</td>
</tr>
<tr>
<td>Week 11</td>
</tr>
<tr>
<td>Week 12</td>
</tr>
</tbody>
</table>
| Week 13 | Section 4.3 (MLP)  
| Week 14 | Section 4.4 (MLP) |
| 4/20 - 4/26 | **Week 14**  
| 4/27 – 5/3 | **Week 15**  
| 5/4 – 5/10 | **Week 16**  
| 5/11 – 5/14 |
| **Note:** Only one written chapter and/or final exam test allowed after this date |
| **Chapter 4 Review Mastery Test (MLP – goal of 75%)**  
| **Chapter 4 Test (take in Testing Center)** |
| **Review for Final Exam**  
| **Final Exam – ONLY Final Exams are administered this week in Testing Center.**  
| See Final Exam Schedule for Day and Time ~ Taken in Classroom  
| Final Exam Covers Chapters 1, 2, 3, and 4 |

**List of Course Objectives**

**Homework Assignments found in MyLabsPlus**

<table>
<thead>
<tr>
<th>Objective</th>
<th>Subtopics within main objectives</th>
</tr>
</thead>
</table>
| 1.2 Place Value, Names for Numbers, and Reading Tables | a) Find place value of a digit in a whole number  
b) Write a whole number in words and in standard form  
c) Write a whole number in words and in extended form  
d) Read tables |
| 1.3 Adding Whole Numbers and Perimeter | a) Add whole numbers  
b) Find the perimeter of a polygon  
c) Solve problems by adding whole numbers |
| 1.4 Subtracting Whole Numbers | a) Subtract whole numbers  
b) Solve problems by subtracting whole numbers |
| 1.5 Rounding and Estimating | a) Round whole numbers  
b) Use rounding to estimate sums and differences  
c) Solve problems by estimating |
| 1.6 Multiplying whole numbers and area | a) Use the properties of multiplication  
b) Multiply whole numbers  
c) Multiply by whole numbers ending in zero(s)  
d) Find the area of a rectangle  
e) Solve problems by multiplying whole numbers |
| 1.7 Dividing Whole Numbers | a) Divide whole numbers  
b) Perform long division  
c) Solve problems that require dividing by whole numbers  
d) Find the average of a list of numbers |
| 1.8 An Introduction to Problem Solving | a) Solve Problems by Adding, Subtracting, Multiplying, or Dividing whole numbers  
b) Solve problems that require more than one operation |
| 1.9 Exponents, Square Roots, and Order of Operation | a) Write repeated factors suing exponential notation  
b) Evaluate expressions containing exponents  
c) Evaluate the square root of a perfect square  
d) Use order of operation  
e) Find the area of a square |

**Chapter 1 Test: in Testing Center**  
How to prepare for the Chapter 1 Test can be found in your Student Organizer on page 33. A softcopy of the
<table>
<thead>
<tr>
<th><strong>2.1</strong></th>
<th>Introduction to Fractions and Mixed Numbers</th>
<th>Student Organizer pages for Chapter 1 can be located in MLP by going to Student Resources → Student Organizer.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>a) Identify numerator and denominator of a fraction</td>
<td>a) Identify numerator and denominator of a fraction</td>
</tr>
<tr>
<td></td>
<td>b) Review division properties for 0 and 1</td>
<td>b) Review division properties for 0 and 1</td>
</tr>
<tr>
<td></td>
<td>c) Write fraction to represent part of figures or real-life data</td>
<td>c) Write fraction to represent part of figures or real-life data</td>
</tr>
<tr>
<td></td>
<td>d) Discern between proper fractions, improper fractions, and mixed numbers</td>
<td>d) Discern between proper fractions, improper fractions, and mixed numbers</td>
</tr>
<tr>
<td></td>
<td>e) Convert mixed number to improper fraction</td>
<td>e) Convert mixed number to improper fraction</td>
</tr>
<tr>
<td></td>
<td>f) Convert improper fraction to mixed number</td>
<td>f) Convert improper fraction to mixed number</td>
</tr>
<tr>
<td><strong>2.2</strong></td>
<td>Factors and Prime Factorization</td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) Find factors of a number</td>
<td>a) Find factors of a number</td>
</tr>
<tr>
<td></td>
<td>b) Discern between prime and composite numbers</td>
<td>b) Discern between prime and composite numbers</td>
</tr>
<tr>
<td></td>
<td>c) Find unique prime factorization of a number</td>
<td>c) Find unique prime factorization of a number</td>
</tr>
<tr>
<td><strong>2.3</strong></td>
<td>Simplest Form of a Fraction</td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) Write fraction in simplest form (i.e. lowest terms)</td>
<td>a) Write fraction in simplest form (i.e. lowest terms)</td>
</tr>
<tr>
<td></td>
<td>b) Determine whether two fraction are equivalent</td>
<td>b) Determine whether two fraction are equivalent</td>
</tr>
<tr>
<td></td>
<td>c) Solve problems by writing fractions in simplest form</td>
<td>c) Solve problems by writing fractions in simplest form</td>
</tr>
<tr>
<td><strong>2.4</strong></td>
<td>Multiplying Fractions and Mixed Numbers</td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) Multiply fractions</td>
<td>a) Multiply fractions</td>
</tr>
<tr>
<td></td>
<td>b) Multiply fractions and mixed numbers or whole numbers</td>
<td>b) Multiply fractions and mixed numbers or whole numbers</td>
</tr>
<tr>
<td></td>
<td>c) Solve problems by multiplying fractions</td>
<td>c) Solve problems by multiplying fractions</td>
</tr>
<tr>
<td><strong>2.5</strong></td>
<td>Dividing Fractions and Mixed Numbers</td>
<td></td>
</tr>
<tr>
<td></td>
<td>a) Find the reciprocal of a Fraction</td>
<td>a) Find the reciprocal of a Fraction</td>
</tr>
<tr>
<td></td>
<td>b) Divide Fractions</td>
<td>b) Divide Fractions</td>
</tr>
<tr>
<td></td>
<td>c) Divide fractions and mixed numbers or whole numbers</td>
<td>c) Divide fractions and mixed numbers or whole numbers</td>
</tr>
<tr>
<td></td>
<td>d) Solve problems by dividing fractions</td>
<td>d) Solve problems by dividing fractions</td>
</tr>
</tbody>
</table>

**Chapter 2 Test:** in Testing Center

**How to prepare for the Chapter 1 Test can be found in your Student Organizer on page 55. A softcopy of the Student Organizer pages for Chapter 1 can be located in MLP by going to Student Resources → Student Organizer.**

<p>| <strong>3.1</strong> | Adding and Subtracting Like Fractions | | |
| --- | --- | --- |
| | a) Add like fractions | a) Add like fractions |
| | b) Subtract like fractions | b) Subtract like fractions |
| | c) Solve problems by adding or subtracting like fractions | c) Solve problems by adding or subtracting like fractions |
| <strong>3.2</strong> | Least Common Multiple (LCM) | | |
| | a) Find least common multiple (LCM) using multiples | a) Find least common multiple (LCM) using multiples |
| | b) Find the LCM using prime factorization | b) Find the LCM using prime factorization |
| | c) Write equivalent fractions | c) Write equivalent fractions |
| <strong>3.3</strong> | Adding and Subtracting Unlike Fractions | | |
| | a) Add unlike fractions | a) Add unlike fractions |
| | b) Subtract unlike fractions | b) Subtract unlike fractions |
| | c) Solve problems by adding or subtracting unlike fractions | c) Solve problems by adding or subtracting unlike fractions |
| <strong>3.4</strong> | Adding and Subtracting Mixed Numbers | | |
| | a) Add mixed numbers | a) Add mixed numbers |
| | b) Subtract mixed numbers | b) Subtract mixed numbers |
| | c) Solve problems by adding or subtracting mixed numbers | c) Solve problems by adding or subtracting mixed numbers |
| <strong>3.5</strong> | Order, Exponents, and Order of Operation | | |
| | a) Compare fractions | a) Compare fractions |
| | b) Evaluate fractions raised to powers | b) Evaluate fractions raised to powers |
| | c) Review order of operations on fractions | c) Review order of operations on fractions |
| | d) Use the order of operations | d) Use the order of operations |
| <strong>3.6</strong> | Fractions and Problem Solving | | |
| | a) Solve problems by performing operations on fractions or mixed numbers | a) Solve problems by performing operations on fractions or mixed numbers |</p>
<table>
<thead>
<tr>
<th>Topic</th>
<th>Description</th>
<th>Preparation</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Chapter 3 Test: in Testing Center</strong></td>
<td>How to prepare for the Chapter 1 Test can be found in your Student Organizer on page 81. A softcopy of the Student Organizer pages for Chapter 1 can be located in MLP by going to Student Resources → Student Organizer.</td>
<td></td>
</tr>
</tbody>
</table>
| **4.1 Introduction to Decimals** | a) Know meaning of place value for decimal number  
b) Write decimal number in words  
c) Write decimal number in standard form  
d) Write decimal number as fractions  
e) Write fractions as decimal numbers | |
| **4.2 Order and Rounding** | a) Compare decimal numbers  
b) Round a decimal number to a given place value | |
| **4.3 Adding and Subtracting Decimals** | a) Add decimal numbers  
b) Subtract decimal numbers  
c) Estimate when adding or subtracting decimal numbers  
d) Solve problems that involve adding or subtracting decimal numbers | |
| **4.4 Multiplying Decimals and Circumference of a Circle** | a) Multiply decimal numbers  
b) Estimate when multiplying decimal numbers  
c) Multiply by powers of 10  
d) Find the circumference of a circle  
e) Solve problems by multiplying decimal numbers | |
| **4.5 Dividing Decimals and Order of Operation** | a) Divide decimals  
b) Estimate when dividing decimals  
c) Divide decimals by powers of 10  
d) Solve problems by dividing decimals  
e) Review order of operations to simplify expression containing decimals | |
| **4.6 Fractions and Decimals** | a) Write fractions as decimals  
b) Compare fractions and decimals  
c) Solve area problems containing fractions and decimals | |
| **Chapter 4 Test: in Testing Center** | How to prepare for the Chapter 1 Test can be found in your Student Organizer on page 107. A softcopy of the Student Organizer pages for Chapter 1 can be located in MLP by going to Student Resources → Student Organizer. | |
| **Final Exam: in Classroom** | Cumulative | |