

## Math 1125 Daily Calendar – Autumn 2018

<b>Date</b>	<b>Topic and Activity</b>	<b>Text</b>
8/21 Tues.	<i>Opening Day! Introduction to the course</i> <i>What is a mathematical explanation?</i> <b>In Class:</b> 1.1 Explanations	2.1
8/22 Wed.	<i>1-1 correspondence;</i> <i>Counting</i> <b>In Class:</b> 1.2 Shepherd’s Necklace	
8/23 Thur.	<i>Place value counting systems</i> <b>In Class:</b> 1.3 A Place of Value #1	1.1
8/24 Fri.	<i>Counting continued;</i> <i>Place value counting systems, continued</i> <b>In Class:</b> Finish Shepherd’s Necklace; 1.3 A Place of Value #2	1.2
8/27 Mon.	<i>Meaning of fractions</i> <b>In Class:</b> Fraction Intro.; 2B #1, 2; 2D #1	2.2
8/28 Tues.	<i>Meaning of fractions continued;</i> <i>Comparing fractions</i> <b>In Class:</b> 1.4 Pies Problem; 2O, 2P	2.2 2.4
8/29 Wed.	<b>Practice HW DUE</b> <i>Improper fractions</i> <b>In Class:</b> 1.6 Improper Fractions	2.2
8/30 Thur.	<i>Equivalent fractions</i> <b>In Class:</b> 1.7 More with Fractions; (2J)	2.3
8/31 Fri.	<b>NO QUIZ</b> <i>Solving problems by changing denominators</i> <b>In Class:</b> 2J; 2L #2, 3	2.3
	<i>Labor Day – No Class</i> <i>Monday, Sept. 3</i>	
9/4 Tues.	<i>Extra day for work on solving problems</i>	
9/5 Wed.	<i>Solving percent problems using pictures</i> <b>In Class:</b> 1.8 Calculations with Percents	2.5

9/6 Thur.	<i>Representing decimals with objects and as lengths</i> <b>In Class:</b> 1D #1, 3; 1E #2, 5, (#6)	1.2 (decimals)
9/7 Fri.	<b>HW 1 DUE</b> <b>QUIZ 1</b> <i>Zooming in and zooming out on number lines</i> <b>In Class:</b> (1E #6); 1F #1, 3, 4; 1G	1.2
9/10 Mon.	<i>More number line work;</i> <i>Decimal comparison (decimals as bundles)</i> <b>In Class:</b> 1.9 Comparing Decimals	1.3 1.4 (on your own)
9/11 Tues.	<i>Extra day on decimals</i>	
9/12 Wed.	<i>Concepts of addition &amp; subtraction</i> <b>In Class:</b> 1.10 Adding It All Up	3.1
9/13 Thur.	<b>HW 2 DUE</b> <i>Stories for fraction addition, subtraction</i> <b>In Class:</b> 3Q, 3R	
9/14 Fri.	<b>QUIZ 2</b> <i>Commutative, associative properties of addition;</i> <i>Mental math;</i> <b>In Class:</b> (3E), 3H #1, 2	3.2
9/17 Mon.	<i>Extra day for writing stories;</i> <i>Properties and mental math;</i> <i>Percents</i> <b>In Class:</b> 1.11 Percent Increase/Decrease	
9/18 Tues.	<i>Percent increase and percent decrease problems</i> <b>In Class:</b> Percent Increase/Decrease	7.5
9/19 Wed.	<i>Meaning of multiplication</i> <b>In Class:</b> 1.12 Multiplication Word Problems	4.1
9/20 Thur.	<b>HW 3 DUE</b> <i>Multiplying by ten;</i> <i>Commutative, associative properties of multiplication</i> <b>In Class:</b> 4C; 4D #1, 2; 4F #2, 5	4.2 4.3
9/21 Fri.	<b>QUIZ 3</b> <i>Mental Math and properties;</i> <i>Story for <math>2 \times (3 \times 4)</math> and for <math>(2 \times 3) \times 4</math></i> <b>In Class:</b> 4G #1, 2; 4I #1, 2	4.4 4.5

9/24 Mon.	<i>Extra day for writing stories, properties mental math</i> <b>In Class:</b> 4J #1; 4K #1, 2; 4L; 4M #1, 2	4.4 4.5
9/25 Tues.	<i>Distributive property &amp; partial products</i> <b>In Class:</b> 4N; 1.13 Multiplication with Dots	
9/26 Wed.	<i>Review</i>	
9/27 Thur.	<i>More review in recitations followed by:</i> <b>Midterm #1</b> <b>Evening: 7:40 – 8:40pm</b> <b>Location: TBA</b>	
9/28 Fri.	<b>HW4 DUE</b> <b>NO QUIZ</b> <i>Intro to multiplication of fractions</i> <b>In Class: (5A)</b>	5.1
10/1 Mon.	<i>When do we multiply fractions?</i> <b>In Class:</b> 5E #2	5.1
10/2 Tues.	<i>Multiplying mixed numbers; Decimal multiplication</i> <b>In Class:</b> 5G, 5H, 5I	
10/3 Wed.	<i>Explanation of procedure for multiplying fractions</i> <b>In Class:</b> 5D	
10/4 Thur.	<i>Meaning of division</i> <b>In Class:</b> 1.14 Division Word Problems	6.1
10/5 Fri.	<b>QUIZ 4</b> <i>Dividing without using a calculator or long division</i> <b>In Class:</b> 6B	6.2
10/8 Mon.	<b>HW 5 DUE</b> <i>Division stories, dealing with remainder; Reasoning about division</i> <b>In Class:</b> 6H; 1.15 Reasoning about Division	6.2
10/9 Tues.	<i>Understanding fraction division (“how many groups?”)</i> <b>In Class:</b> 6M #2, 3, 4	6.4
10/10 Wed.	<i>Understanding fraction division (“how many in one group?”)</i> <b>In Class:</b> (6N, 6O), 6P	6.5
	<i>Autumn Break – No Class</i> <i>Oct. 11 – 14</i>	

10/15 Mon.	<i>Complete fraction division – more on “invert &amp; multiply”</i> <b>In Class:</b> review 6M, (6O)	6.5
10/16 Tues.	<i>Dividing decimals</i> <b>In Class:</b> 1.16 Understanding Decimal Division	6.6
10/17 Wed.	<i>Dividing with zero</i> <b>In Class:</b> 6C	6.1
10/18 Thur.	<b>HW 6 DUE</b> <i>Discussion of integers; Addition &amp; subtraction of integers</i> <b>In Class:</b> extra handouts on integer operations	
10/19 Fri.	<b>QUIZ 5</b> <i>Multiplication of negative integers</i> <b>In Class:</b> more integer handouts	
10/22 Mon.	<i>Finish integers</i>	
10/23 Tues.	<i>Understanding the common addition/subtraction algorithm</i> <b>In Class:</b> 3K	3.3
10/24 Wed.	<i>Why the standard multiplication algorithm works</i> <b>In Class:</b> return to 1.13 Multiplication with Dots	4.6
10/25 Thur.	<b>HW 7 DUE</b> <i>Understanding long division (“how many in each group?”)</i> <b>In Class:</b> (6I, 6J)	6.3
10/26 Fri.	<b>NO QUIZ</b> <i>Integers – Chips model and algorithms with these (renaming); Summary of themes in standardized algorithms</i>	
10/29 Mon.	<i>Ratio and proportion</i> <b>In Class:</b> (7A), 7F	7.1
10/30 Tues.	<i>Solving problems using ratio tables and strip diagrams</i> <b>In Class:</b> 7F, 7E (#1, 2)	7.2
10/31 Wed.	<b>HW 8 DUE</b> <i>Review Recognizing the correct operation in stories</i> <b>In Class:</b> 1.17 What Operation Would You Use?	

11/1 Thur.	<i>More review in recitations followed by:</i> <b>Midterm #2</b> <b>Evening: 7:40 – 8:40PM</b> <b>Location:</b>	
11/2 Fri.	<b>NO QUIZ</b> <i>Solving proportions with multiplication and division</i> <i>("going through 1")</i> <b>In Class: 7D, 1.18 More Ratios!</b>	7.2
11/5 Mon.	<i>Solving proportions by cross-multiplying fractions</i> <b>In Class: 7H</b>	7.3
11/6 Tues.	<i>Factors and multiples</i> <b>In Class: 1.19 Searching Lockers</b>	8.1
11/7 Wed.	<i>Odd and Even</i> <b>In Class: 8E, 8F</b>	8.2
11/8 Thur.	<b>HW 9 DUE</b> <i>Divisibility test for 2</i> <b>In Class: 8D</b>	8.2
11/9 Fri.	<b>QUIZ 6</b> <i>Divisibility test for 3</i> <b>In Class: 8G</b>	8.3
	<i>Veteran's Day – No class</i> <i>Monday, Nov. 12</i>	
11/13 Tues.	<i>Division and Remainders</i> <b>In Class: 1.20 Divisibility with Remainder</b>	8.3
11/14 Wed.	<i>Prime numbers; Prime factorization</i> <b>In Class: 1.21 Prime Numbers from 1 to 120,</b> 1.22 Prime Time	8.4
11/15 Thur.	<i>Factors from the prime factorization;</i> <i>Divisibility relationships</i> <b>In Class: 1.22 Prime Time,</b> 1.23 Statements about Factors	8.4
11/16 Fri.	<b>HW 10 DUE</b> <b>QUIZ 7</b> <i>Meaning of greatest common factor, least common</i> <i>multiple; GCF, LCM from prime factorization;</i> <b>In Class: 1.24 All in the Timing</b>	8.5
11/19 Mon.	<i>Problems involving GCF, LCM</i> <b>In Class: 8M, 8L;</b> 1.25 GCF & LCM Problems; 1.26 More GCF and LCM Problems!	8.5

11/20 Tues.	<i>Rational and irrational numbers</i> <b>In Class:</b> 1.27 Shampoo, Rinse, Repeat	8.6
	<i>Thanksgiving Break – No class</i> <i>11/21 – 11/23</i>	
11/26 Mon.	<i>Rational and irrational numbers</i> <b>In Class:</b> 1.27 Shampoo	8.6
11/27 Tues.	<i>Rational and irrational numbers</i> <b>In Class:</b> 1.27 Shampoo	8.6
11/28 Wed.	<i>Expressions</i> <b>In Class:</b> 1.28 Writing Formulas	9.1
11/29 Thur.	<b>HW 11 DUE</b> <i>Expressions</i> <b>In Class:</b> 9A #3, 9C, 9D	9.2 9.3
11/30 Fri.	<i>Solving Equations</i> <b>In Class:</b> (9R), Balances, 9S, start 9U	9.3 9.4
12/3 Mon.	<i>Solving Equations with strip diagrams</i> <b>In Class:</b> 9U	9.4
12/4 Tues.	<i>Sequences</i> <b>In Class:</b> 9X, 9Z	9.5
12/5 Wed.	<i>Last Class</i> <i>Review</i>	
Thur. – Fri. 12/6 – 12/7	<i>OSU Reading Day, Exam Week</i>	
Dec. 10 Mon.	<b>Final Exam</b> Time: 8:00 – 9:45PM Location: TBD	