

Math 105 Daily Calendar – Autumn 2009

MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY	HOMEWORK
		Sept. 23 <i>1-1 correspondence, counting</i> Activity: Shepherd's Necklace Handout Read: Chapter 1	Sept. 24 <i>Place value</i> Activities: A Place of Value Handout Read: 2.1, 2.2	Sept. 25 <i>Integers</i> Activities: Modeling Integers Handout (#1) Read: 2.4	Practice HW Write up #2a, 2b from "A Place of Value"
Sept. 28 Practice HW due <i>Fractions of objects</i> Activity: 3A Read: 3.1	Sept. 29 <i>The whole associated with a fraction</i> Activity: 3B Read: 3.1	Sept. 30 <i>Equivalent fractions</i> Activities: 3B, 3G Read: 3.3	Oct. 1 <i>Misconceptions about fraction equivalence; Changing denominators</i> Activities: 3H, 3J (#1, 2) Read: 3.3	Oct. 2 QUIZ #1 (Sec. 2.1, 2.2, 2.4) <i>Improper fractions</i> Activities: 3J (#3, 4), 3D Read: 3.3	Homework #1 A4 2.2: #2b, 3bce, 4d 3.1: #2b, 8, 10, 12, 13, 16 3.2: #2

<p>Oct. 5 HW #1 due</p> <p><i>Improper fractions</i></p> <p>Activity: Finish 3D</p> <p>Read: 3.1, 3.4</p>	<p>Oct. 6 <i>Comparing fractions</i></p> <p>Activities: 3O, 3P</p> <p>Read: 3.4</p>	<p>Oct. 7 <i>Representation of decimal numbers with objects and as lengths</i></p> <p>Activities: 2C, 2E</p> <p>Read: 2.3</p>	<p>Oct. 8 <i>Zooming in and zooming out on number lines</i></p> <p>Activities: 2D (#1-5, 7)</p> <p>Read: 2.3, 2.5</p>	<p>Oct. 9 QUIZ #2 (Sec. 3.1, 3.2) <i>Decimal Comparison</i></p> <p>Activity: Decimal Comparison Handout</p> <p>Read: 2.4</p>	<p>Homework #2</p> <p>3.3: #5, 8, 16, 19, 21, 24</p> <p>3.4: #3, 13, 15, 17</p>
<p>Oct. 12 HW #2 due</p> <p><i>Percents</i></p> <p>Activities: 3P, Calculations with Percents Handout</p> <p>Read: 3.5</p>	<p>Oct. 13 <i>Calculations with percents</i></p> <p>Activities: More calculations with percents</p> <p>Read: 3.5</p>	<p>Oct. 14 <i>More calculation with percents</i></p> <p>Activities: 3T, 3U, 3V, 3W</p> <p>Read: 3.5</p>	<p>Oct. 15 <i>Addition and subtraction</i></p> <p>Activity: 4A</p> <p>Read: 4.1</p>	<p>Oct. 16 QUIZ #3 (Sec. 3.3, 3.4) <i>Story problems for addition & subtraction</i></p> <p>Activities: 4O, 4P</p> <p>Read: 4.1</p>	<p>Homework #3</p> <p>2.3: #2, 5, 11c, 15</p> <p>2.5: #2, 4</p> <p>2.4: #9</p> <p>3.5: #4, 10, 11, 15, 18 (solve with pictures)</p>

<p>Oct. 19 HW #3 due</p> <p><i>Understanding the common subtraction algorithm</i></p> <p>Activities: 4E; 4G</p> <p>Read: 4.2</p>	<p>Oct. 20 <i>Fraction addition and subtraction</i></p> <p>Activity: 4L (#1-3)</p> <p>Read: 4.3</p>	<p>Oct. 21 <i>Addition and subtraction of integers</i></p> <p>Activity: Modeling Integers Handout (#2-3):</p> <p>Read: 4.1</p>	<p>Oct. 22 <i>Addition and subtraction of percents</i></p> <p>Activities: 4R (#1), Percent Inc/Dec Handout</p> <p>Read: 4.4, 4.5</p>	<p>Oct. 23 QUIZ #4 (Sec. 2.3 -- 2.5, 3.5) <i>More addition and subtraction of percents</i></p> <p>Activity: Percent Inc/Dec Handout</p> <p>Read: 4.5</p>	<p>Homework #4</p> <p>A9(b)</p> <p>4.1: #1ac, 2b, 5a</p> <p>4.2: #5, 6, 12, 14</p> <p>4.3: #6, 10, 11, 12, 14</p> <p>3.5: #25</p>
<p>Oct. 26 HW #4 due</p> <p><i>Commutative and associative properties of addition, mental math</i></p> <p>Activities: 4Y (#2-3), 4AA</p> <p>Read: 4.6</p>	<p>Oct. 27 <i>Meaning of multiplication; multiplying by 10</i></p> <p>Activity: Multiplication Word Problems Handout</p> <p>Read: 5.1, 5.2</p>	<p>Oct. 28 <i>Commutative & associative properties of multiplication</i></p> <p>Activities: 5H (#2), 5F (#1, 3), 5J (#2, 3)</p> <p>Read: 5.3, 5.4</p>	<p>Oct. 29 <i>Review in recitation</i></p> <p>Evening Midterm 7:30-8:30pm HI 131</p> <p>(Chapters 1 – 4)</p>	<p>Oct. 30 NO QUIZ</p> <p><i>Properties of multiplication; Order of operations</i></p> <p>Activities: 5J (#2, 3), 5K (#2), 5N (#2a)</p> <p>Read: 5.4, 5.5</p>	<p>Homework #5</p> <p>4.5: #2, 4, 5, 7</p> <p>4.6: #6, 8</p> <p>5.1: #2, 8</p> <p>5.2: #2, 4</p>

<p>Nov. 2 HW 5 due</p> <p><i>The distributive property</i></p> <p>Activities: 5O (#2), 5P</p> <p>Read; 5.5</p>	<p>Nov. 3 <i>Mental math; Properties of arithmetic</i></p> <p>Activities: 5V (#2, 3, 5), 5W (#5, 6), 5S (#5)</p> <p>Read: 5.6</p>	<p>Nov. 4 <i>Why multiplication algorithm works; Writing & solving multiplication story problems</i></p> <p>Activities: 5AA (#1-4), 6A</p> <p>Read: 5.7, 6.1</p>	<p>Nov. 5 <i>Multiplication of fractions; Why the procedure works</i></p> <p>Activities: 6D (not #3e), 6C</p> <p>Read: 6.1</p>	<p>Nov. 6 QUIZ #5 (Sec. 4.5-6, 5.1-2) <i>Multiplying mixed numbers, decimals</i></p> <p>Activities: 6E, 6G (#1, 2, 4)</p> <p>Read: 6.1, 6.2</p>	<p>Homework #6</p> <p>5.3: #3, 12</p> <p>5.4: #5, 7</p> <p>5.5: #5, 14, 15</p> <p>5.6: #2, 11, 12</p>
<p>Nov. 9 HW 6 due</p> <p><i>Multiplication of negative numbers; Scientific notation</i></p> <p>Activities: Modeling Integers Handout (#4), 6J</p> <p>Read: 6.3, 6.4</p>	<p>Nov. 10 <i>Meaning of division</i></p> <p>Activities: Division Word Problems Handout (#1), 7C (#1)</p> <p>Read: 7.1</p>	<p>Nov. 11</p> <p><i>Veterans' Day</i></p> <p>No Class!</p>	<p>Nov. 12 <i>Division by zero</i></p> <p>Activity: 7B</p> <p>Read: 7.1</p>	<p>Nov. 13 QUIZ #6 (Sec. 5.3 – 5.6) <i>Dividing without using a calculator or long division</i></p> <p>Activity: 7G (#2, 3)</p> <p>Read: 7.2</p>	<p>Homework #7</p> <p>5.7: #10, 12, 13</p> <p>6.1: #1, 3, 5, 12</p> <p>6.2: #3, 10</p> <p>6.3: #1</p> <p>6.4: #2ab, 3</p>

<p>Nov. 16 HW 7 due <i>Reasoning about division</i></p> <p>Activity: 7E (#2)</p> <p>Read: 7.2</p>	<p>Nov. 17 <i>Understanding long division ("how many in each group?")</i></p> <p>Activities: 7I (#1), 7J</p> <p>Read: 7.1, 7.2</p>	<p>Nov. 18 <i>Understanding fraction division ("how many groups?")</i></p> <p>Activity: 7Q</p> <p>Read: 7.3, 7.4</p>	<p>Nov. 19 <i>Understanding fraction division ("how many groups?")</i></p> <p>Activity: 7Q</p> <p>Read: 7.4</p>	<p>Nov. 20 QUIZ #7 (Sec. 5.7, 6.1 - 6.4) <i>Understanding fraction division ("how many in one group?")</i></p> <p>Activity: 7R</p> <p>Read: 7.4</p>	<p>Homework #8</p> <p>7.1: #1, 4, 7, 12ab</p> <p>7.2: #3, 8, 14</p> <p>7.3: #1, 14</p>
<p>Nov. 23 HW 8 due <i>Dividing decimals</i></p> <p>Activities: 7U, 7W</p> <p>Read: 7.4, 7.5</p>	<p>Nov. 24 <i>Ratio and proportion</i></p> <p>Activity: 7X (#2)</p> <p>Read: 7.6</p>	<p>Nov. 25 <i>Using ratio tables and strip diagrams to solve ratio problems</i></p> <p>Activities: 7Y (#1, 2, 4, 6), 7Z (#1-3)</p> <p>Read: 7.6</p>	<p>Nov. 26</p> <p><i>Thanksgiving Break</i></p>	<p>Nov. 27</p> <p><i>Thanksgiving Break</i></p>	<p>Homework #9</p> <p>7.4: #2, 10, 15, 21, 23c</p> <p>7.5: #2, 4, 5b</p> <p>7.6: #8ab, 10, 21, 22, 24</p>
<p>Nov. 30 <i>Solving proportions with multiplication and division</i></p> <p>Activity: 7BB (#1-4)</p> <p>Read: 7.6</p>	<p>Dec. 1 <i>Solving proportions by cross-multiplying fractions</i></p> <p>Activity: 7DD</p> <p>Read: 7.6</p>	<p>Dec. 2 <i>Can you always use a proportion?</i></p> <p>Activity: 7EE</p> <p>Read: 7.6</p>	<p>Dec. 3</p> <p>HW #9 due</p> <p>Catch up day!</p>	<p>Dec. 4</p> <p>NO QUIZ</p> <p>Review - Last day!</p>	

Dec. 7	Dec. 8	Dec. 9	Dec. 10	Dec. 11	
Final Exam 7:30-9:20 PM Location TBA	Makeup Exam (by permission only) 9:30 - 11:20 AM				

	Grade from:	Check for completion:		Topics, section
HW #1	3.1 #8, 12, 13, 16	A4 2.2 #2b, 3bce, 4d 3.1 #2b, 10 3.2 #2	Quiz #1 (over practice HW)	place value (class activities) Sec. 2.1, 2.2, 2.4 (neg. integers?)
HW #2	3.3 #5, 19, 21, 24 3.4 #15, 17	3.3 #8, 16 3.4 #3, 13	Quiz #2 (over HW 1)	fraction intro Sec. 3.1, 3.2
HW #3	2.3 #5, 15 2.5 #4 3.5 #10, 15, 18	2.3 #2, 11c 2.4 #9 2.5 #2 3.5 #4, 11	Quiz #3 (over HW 2)	fraction comparison Sec. 3.3, 3.4
HW #4	4.2: #5, 12, 14 4.3: #10, 11, 12 3.5: #25	A9(b) 4.1 #1ac, 2b, 5a 4.2: #6 4.3: #6, 14	Quiz #4 (over HW 3)	%s, decimals Sec. 2.3, 2.4, 2.5, 3.5
HW #5	4.5: #4, 7 4.6: #8 5.1: #8 5.2: #2, 4	4.5: #2, 5 4.6: #6 5.1: #2	Quiz #5 (over HW 5)	% change; intro to multiplication Sec. 4.5, 4.6, 5.1, 5.2
HW #6	5.3: #12 5.4: #7 5.5: #14, 15 5.6: #11, 12	5.3: #3 5.4: #5 5.5: #5 5.6: #2	Quiz #6 (over HW 6)	Properties, algorithms Sec. 5.3, 5.4, 5.5, 5.6

HW #7	5.7: #10, 13 6.1: #1, 12 6.2: #3 6.3: #1 6.4: #3	5.7: #12 6.1: #3, 5 6.2: #10 6.4: #2ab	Quiz #7 (over HW 7)	Sec. 5.7, 6.1, 6.2, 6.3, 6.4
HW #8	7.1: #4, 7, 12ab 7.2: #3, 14 7.3: #1, 14	7.1: #1 7.2: #8		
HW #9	7.4: #2, 10, 15, 23c 7.5: #2, 5b 7.6: #10, 21, 22	7.4: #21 7.5: #4 7.6: #8ab, 24		