

**Math 20**  
**Homework Assignments**  
Basic College Mathematics, 8<sup>th</sup> Ed. by Lial

- No calculators are allowed during the entire course or for the final exam. Therefore, all questions requiring a calculator should be omitted.
- To cover the material below, registering more students than the maximum is not recommended.

**“Calculators are Not Allowed in this Course”**

Sections	Assignments
1.1 Reading & Writing Whole Numbers	p. 7 (1 – 33 odd)
1.2 Adding Whole Numbers	p. 17 (1 – 85 EOO)
1.3 Subtracting Whole Numbers	p. 27 (1 – 97 EOO)
1.4 Multiplying Whole Numbers	p. 37 (1 – 103 EOO) omit 97
1.5 Dividing Whole Numbers	p. 51 (1 – 95 EOO) omit 81
1.6 Long Division	p. 61 (1 – 41 odd) omit 37
1.7 Round Whole Numbers	p. 73 (1 – 67 odd)
1.8 Exponents, Roots & Order of Operations	p. 79 (1 – 89 odd)
1.9 Reading Pictographs, Bar & Line Graphs	p. 87 (1 – 17 odd)
1.10 Solving Application Problems	p. 95 (1 – 39 odd) omit 19
<b>Exam 1</b>	

2.1 Basics of Fractions	p. 117 (1 – 25 odd)
2.2 Mixed Numbers	p. 123 (1 – 63 odd)
2.3 Factors	p. 131 (1 – 63 odd)
2.4 Writing a Fraction in Lowest Terms	p. 137 (1 – 55 odd)
2.5 Multiplying Fractions	p. 149 (1 – 49 odd)
2.6 Applications of Multiplication	p. 157 (1 – 33 odd)
2.7 Dividing Fractions	p. 167 (1 – 45 odd)
2.8 Multiplying and Dividing Mixed Numbers	p. 177 (1 – 41 odd) omit 35

3.1 Adding and Subtracting Like Fractions	p. 203 (1 – 39 odd)
3.2 Least Common Multiples	p. 213 (1 – 47 odd)
3.3 Adding and Subtracting Unlike Fractions	p. 221 (1 – 51 odd)
<b>Exam 2</b>	

3.4 Adding and Subtracting Mixed Numbers	p. 231 (1 – 69 odd)
3.5 Order Relations and Order of Operations	p. 243 (1 – 69 odd)
4.1 Reading and Writing Decimals	p. 271 (1 – 67 odd)
4.2 Rounding Decimals	p. 281 (1 – 39 odd)
4.3 Adding and Subtracting Decimals	p. 287 (1 – 59 odd)
4.4 Multiplying Decimals	p. 293 (1 – 51 odd) omit 21, 29, 43, 47
4.5 Dividing Decimals	p. 305 (1 – 61 odd) omit 19, 39, 57
4.6 Writing Fractions as Decimals	p. 313 (1 – 73 odd) omit 19, 21, 23
<b>Exam 3</b>	

5.1 Ratios	p. 337 (1 – 45 odd)
5.2 Rates	p. 345 (1 – 31 odd) omit 13, 15, 21
5.3 Proportions	p. 353 (1 – 37 odd)
5.4 Solving Proportions	p. 359 (1 – 25 odd) omit 13, 17
5.5 Solving App. Problems with Proportion	p. 367 (1 – 37 odd) omit 5, 31

6.1 Basics of Percent	p. 391 (1 – 87 odd)
6.2 Percents and Fractions	p. 403 (1 – 83 odd)
6.3 Using the Percent Proportion & Identifying	p. 413 (1 – 59 odd) omit 11, 25
6.4 Using Proportions to Solve Percent Problem	p. 425 (1 – 69 odd) omit 55, 57
6.5 Using the Percent Equation	p. 435 (1 – 55 odd) omit 43
6.6 Solving Application Problems with Percent	p. 447 (1 – 23 odd; 37, 39, 43, 47)
<b>Exam 4</b>	

7.1 Problem Solving with English Measurement	p. 491 (1 – 47 odd; 55 – 61 odd)
7.2 The Metric System – Length	p. 501 (1 – 45 odd)
7.3 The Metric System – Capacity and Weight	p. 509 (1 – 73 odd)
7.4 Problem Solving with Metric Measurement	p. 517 (1 – 15 odd)

8.3 Rectangles and Squares	p. 561 (1 – 29 odd)
8.4 Parallelograms and Trapezoids	p. 569 (1 – 17 odd)
8.5 Triangles	p. 575 (1 – 25 odd)
8.6 Circles	p. 585 (1 – 33 odd) omit 23
8.7 Volume	p. 597 (1, 11, 13, 21, 23)
<b>Exam 5</b>	