

Chapter 13: Combinations and Probability

Teach Your Own Lesson (5th period)

Group	Objectives to Teach	Homework for that lesson
1	13.1 I can distinguish between dependent and independent events I can use the basic counting principle to solve problems	(#1) Pg. 843 #4-6,16, 18-21
2	13.1 I can solve problems using permutations	(#2) Pg. 843 #22-30 even, 40-47, 51
3 (3 people)	13.1 I can solve problems using combinations	
4	13.2 I can solve problems involving permutations with repetitions	
5	13.2 I can solve problems involving circular rearrangement I can solve problems involving circular rearrangement with reflection	(#3) Pg. 849 #12-31
6	13.3 I can find the probability of success or failure I can define a sample space for a given problem	
7	13.3 I can using combinations or permutations to determine the probability of a given event	
8	13.3 I can find the odds for the success and failure of an event	(#4) Pg. 856 #13-25, 37, 44, 45 (#5) Pg. 856 #26-36, 38, 39 Pg. 863 #4-6, 16-24
9	13.4 I can find the probability of independent and dependent events	
10 (3 people)	13.4 I can identify mutually exclusive events I can find the probability of mutually exclusive and inclusive events	
11 (3 people)	13.5 I can find the probability of an event given the occurrence of another event (conditional probability)	(#6) Pg. 863 # 7-9, 25-33, 38-41, 46, 47 (#7) Pg. 871 #4-13, 29-35, 38
12	13.6 I can define binomial experiment I can use the binomial theorem to find the probability of a given event	

April 20-24					IN CLASS WORK DAY
April 27 - May 1	Group 1 Group 2	Group 3	Group 4 Group 5	Review 13.1-13.2 QUIZ 13.1-13.2 (take home quiz)	NO SCHOOL Institute day
May 4-8	Group 6 Group 7	Group 8 Group 9	Group 10	Review 13.3-13.4	QUIZ 13.3-13.4
May 11-15	Group 11	Group 12	Review 13.5-13.6	Chapter 13 Review	Chapter 13 Test

Part I: Preparing for lesson with partner(s) (20 points)

- learn material!!
- create guided notes and/or powerpoint presentation and/or activity
- look at HW assigned to make sure it's aligned with your lesson
- meet with Miss Bryniczka to clarify any concepts or answer any questions (make an appointment)
- if any copies need to be made for your lesson, need to be given to Miss Bryniczka by the beginning of 1st period

Part II: Teach lesson in class (40 points)

- objective(s) clearly stated
- all words/formulas clearly defined and stated
- at least 3 examples for each objective worked out in class (more than 3 is OK!)
- use guided notes/ppt presentation/activity
- professional in delivery and maintaining classroom management

Part III: Reflect on lesson (20 points)

- typed, one page paper reflecting on lesson (what when right, what went wrong, what you should change, struggles you had, did you like/dislike co-teaching?)
- due two school days after your presentation

Possible Sources to use for examples

- Your Book!!
- Online book - extra examples and quiz problems
- Mr. Bivin's Webpage (<http://www.lz95.org/lzhs/Math/faculty/Bivin/PowerMath.htm>) - choose counting & probability

Teach Your Own Lesson Grading Rubric

Name _____

(please give to teacher when presenting your lesson)

Part I: Preparing for the Lesson (20)

	Bogey	Par	Birdie	Eagle
Guided notes and/or ppt and/or activity thoughtfully created	2	4	6	8
Lesson objective(s) primary focus of lesson	1	2	3	4
Materials prepared before lesson	1	2	3	4
Used resources to learn material and prepare quality examples	1	2	3	4

Part II: Teach Lesson (40)

Objectives clearly stated (verbal and written)	1	2	3	4
All words/formulas clearly defined and stated in lesson	1	2	3	4
Example 1 - appropriate ex. w/complete solutions, all steps shown	1	2	3	4
Example 2 - appropriate ex. w/complete solutions, all steps shown	1	2	3	4
Example 3 - appropriate ex. w/complete solutions, all steps shown	1	2	3	4
Work shown for all problems is correct	1	2	3	4
Provide time for students to work through problems/proper pacing	1	2	3	4
Appropriate guided help/verbal answers	1	2	3	4
Verbal instructions/help/suggestions are appropriate and respectful	1	2	3	4
Professionally maintains classroom management	1	2	3	4

Part III: Reflection on Lesson (20)

Typed	_____ /	4
Reflection is insightful and thorough (-2 points/each day late)	_____ /	16

TOTAL _____ / **80**

Comments: