

Unit Title:	Unit 3 a/b: Probability
Unit Vocabulary:	Probability, Compound event, tree diagram, sample space, fundamental counting principle, outcome, event, independent, dependent

	Learning Target <i>(All Teachers)</i>	Instructional Plan <i>(Core Teacher)</i>	Level UP/Advisory Plans (Core Content Teachers) (Not NHI time)	Teacher Tips & Notes <i>(All Teachers)</i>
M O N	9/29	<u>Opening Strategy:</u> Warm up Poag slideshow <u>Core Lesson Activities:</u> Practice Day -finish quiz -finish IXLs -work on ALEKS Probability ATA video Probability ATA notes Probability ATA answers <u>Summarizing Activity:</u> Exit Ticket	IXL AND ALEKS	Poag out
T U E	9/30	<u>Opening Strategy:</u> warm up <u>Core Lesson Activities:</u> sample space (Tree Diagrams and List) Poag slideshow Slideshow Worksheet Practice Worksheet if needed Another worksheet if needed		

		<u>Summarizing Activity: Exit Ticket (from book)</u>		
W E D	10/1	<u>Opening Strategy: ALEKS (10-20 min)</u> Prob and Counting Slideshow Notes (Union/intersections/etc) Slideshow Slideshow old <u>Core Lesson Activities: Sample Space (Fundamental Counting)</u> - Notes to print - worksheet - kentucky derby activity - using a table to determine probability of sums notes - fundamental counting principle <u>Summarizing Activity: Exit Ticket</u>		
T H U	10/2	<u>Opening Strategy: warm up</u> <u>Core Lesson Activities: Practice</u> worksheet Task Cards Digital Practice Worksheet if needed <u>*Assign prob and counting practice from 12-2 in textbook*</u> <u>Summarizing Activity: exit ticket</u>		
F R I	10/2	<u>Opening Strategy: Warm up</u> <u>Core Lesson Activities: Quiz Day</u> <u>Summarizing Activity:</u>	● SEL Mini Lessons ● Goal Setting ● Reward Time ● School Surveys ● School To-Do's	

Lesson Plans 2025-2026
[25-26 Unit Calendar](#)

Week: # 7– September 22-26, 2025
[District Landing Page](#) [District Pacing Guide](#)

Teacher: Poag/Hollins

Subject: 8th/Geometry with Statistics

Unit Title:	Unit 3 a/b: Probability
Unit Vocabulary:	Probability, Compound event, reasoning

	Learning Target <i>(All Teachers)</i>	Instructional Plan <i>(Core Teacher)</i>	Level UP/Advisory Plans (Core Content Teachers) (Not NHI time)	Teacher Tips & Notes <i>(All Teachers)</i>
M O N	9/22 Calculate and interpret probability.	<u>Opening Strategy:</u> Warm up slideshow <u>Core Lesson Activities:</u> Hollins: take test Poag: go over test, finish ALEKS, finish IXL	IXL	HOLLINS GIVES TEST TODAY

		<u>Summarizing Activity: Exit Ticket</u>		
T U E	9/23 Determine the sample space for a compound event.	<u>Opening Strategy:</u> warm up Slide show <u>Core Lesson Activities:</u> Intro activity: probability games with groups exploring different probability situations (dice, spinner, cards, coin flip) Simple Probabilty Notes (Page 1 and 2) Models Worksheet <u>Summarizing Activity: Exit Ticket (from book)</u>		
W E D	9/24 Calculate and interpret the probability of compound independent and dependent events.	<u>Opening Strategy:</u> warm up Slideshow <u>Core Lesson Activities:</u> Compound Probability (pg 3-4) Practice Answer key <u>Summarizing Activity: Exit Ticket</u>		
T H U	9/25 Calculate and interpret the probability of compound independent and dependent events.	<u>Opening Strategy:</u> warm up Poag slideshow <u>Core Lesson Activities:</u> Practice Simple and Compound Probability Practice sheet Answer key Extra: Group activity practice Compound probabilities without replacement practice <u>Summarizing Activity: Exit ticket from book</u>		

F R I	9/26 I can calculate the probability of compound events	<u>Opening Strategy:</u> Warm up Poag slideshow <u>Core Lesson Activities:</u> Quiz <u>Summarizing Activity:</u> IXL OR Aleks	• SEL Mini Lessons • Goal Setting • Reward Time • School Surveys • School To-Do's	Poag absent
-------------	---	--	--	--------------------

Unit Title:	Unit 2A: Irrational Numbers and Exponents
Unit Vocabulary:	Square root, cube root, equations, rational numbers, functions, domain, range, continuous, discrete

	Learning Target <i>(All Teachers)</i>	Instructional Plan <i>(Core Teacher)</i>	Level UP/Advisory Plans (Core Content Teachers) (Not NHI time)	Teacher Tips & Notes <i>(All Teachers)</i>
M O N	9/15 I can multiply and divide radicals	<u>Opening Strategy:</u> Warm up <u>Core Lesson Activities:</u> Poag slideshow Operations with Radicals (mult/div) <u>Summarizing Activity: Exit Ticket</u>	IXL	Test on Friday
T U E	9/16 I can add and subtract radicals	<u>Opening Strategy:</u> Warm up <u>Core Lesson Activities:</u> Poag slideshow Operations with Radicals (add/sub) Quizizz practice <u>Summarizing Activity: Exit Ticket</u>		
W E D	9/17 I can add, subtract, multiply, and divide radicals	<u>Opening Strategy:</u> warm up Poag slideshow <u>Core Lesson Activities:</u> Operations with Radicals mixed review Aleks Diagnostic Notes (Stations)		

		ALEKS diagnostic Mathlib <u>Summarizing Activity:</u> Exit Ticket		
T H U	9/18 I can look deeper at rational and irrational numbers and radical expressions.	<u>Opening Strategy:</u> warm up <u>Core Lesson Activities:</u> <u>Notes</u> slideshow Study Guide (Textbook pages 117-119) Answer key Quizizz Link <u>Summarizing Activity:</u> Review Study Guide Answers		
F R I	9/19 I can look deeper at rational and irrational numbers and radical expressions.	<u>Opening Strategy:</u> Review for Test <u>Core Lesson Activities:</u> Irrational Numbers and Exponents Test - masteryconnect <u>Summarizing Activity:</u> how was the test?	• SEL Mini Lessons • Goal Setting • Reward Time • School Surveys • School To-Do's	

Unit Title:	Unit 2A: Irrational Numbers and Exponents
Unit Vocabulary:	Square root, cube root, equations, rational numbers, functions, domain, range, continuous, discrete

	Learning Target <i>(All Teachers)</i>	Instructional Plan <i>(Core Teacher)</i>	Level UP/Advisory Plans (Core Content Teachers) (Not NHI time)	Teacher Tips & Notes <i>(All Teachers)</i>
M O N	9/8 I can use repeated reasoning to show that rational numbers repeat in decimal form and I can convert a repeating decimal into a rational number.	<u>Opening Strategy:</u> Which one doesnt belong? <u>Core Lesson Activities:</u> Notes <u>Summarizing Activity:</u> <u>IXL- Converting Fractions, Decimals, and Percents</u>	IXL	Quiz on Friday
T U E	9/9 I can compare/order rational & irrational numbers	<u>Opening Strategy:</u> Warm up <u>Core Lesson Activities:</u> Notes <u>Summarizing Activity:</u> Exit Ticket - worksheet Link here for online version		

W E D	9/10 I can simplify radicals	<u>Opening Strategy:</u> warm up <u>Core Lesson Activities:</u> Notes Worksheet answers Kuta worksheet with answers <u>Summarizing Activity:</u> Word Puzzle		
T H U	9/11 I can simplify radicals	<u>Opening Strategy:</u> warm up <u>Core Lesson Activities:</u> Notes Google Form Google form 2 <u>Summarizing Activity:</u>		
F R I	9/12 I can evaluate perfect squares and cubes	<u>Opening Strategy:</u> <u>Core Lesson Activities:</u> Quiz quiz <u>Summarizing Activity:</u> how was the quiz?	● SEL Mini Lessons ● Goal Setting ● Reward Time ● School Surveys ● School To-Do's	

Unit Title:	Unit 1A: Patterns of Association
Unit Vocabulary:	Bivariate Data, Scatter Plot, Association, Line of Fit, Frequency, Two-Way Table, Statistical Question, Distributive Property, Like Terms, Solution, Variable

	Learning Target <i>(All Teachers)</i>	Instructional Plan <i>(Core Teacher)</i>	Level UP/Advisory Plans (Core Content Teachers) (Not NHI time)	Teacher Tips & Notes <i>(All Teachers)</i>
M O N	9/1 Labor Day- No School		IXL	Test on friday
T U E	9/2 I can evaluate square roots and cube roots	<u>Opening Strategy:</u> Review finding the square of a number <u>Core Lesson Activities:</u> Square root/Cube root: Slides Intro activity Desmos Link IXL Practice <u>Summarizing Activity:</u> Exit Ticket		
W E D	9/3 I can evaluate Cube roots	<u>Opening Strategy:</u> warm up <u>Core Lesson Activities:</u> Evaluating Squares and Cubes Desmos Google Form		

		<u>Summarizing Activity:</u> <u>Google Form-Exit Ticket</u>		
T H U	9/4 I can evaluate perfect squares and cubes	<u>Opening Strategy:</u> warm up <u>Core Lesson Activities:</u> Ordering and comparing Slides 2025 Poag slideshow Slide (From last year) Scavenger hunt <u>Summarizing Activity:</u> Scavenger Hunt		
F R I	9/5 I can evaluate perfect squares and cubes	<u>Opening Strategy:</u> Fluency Friday <u>Core Lesson Activities:</u> slideshow Quiz <u>Summarizing Activity:</u> how was the quiz?	● SEL Mini Lessons ● Goal Setting ● Reward Time ● School Surveys ● School To-Do's	

Unit Title:	Unit 1A: Patterns of Association
Unit Vocabulary:	Bivariate Data, Scatter Plot, Association, Line of Fit, Frequency, Two-Way Table, Statistical Question, Distributive Property, Like Terms, Solution, Variable

	Learning Target <i>(All Teachers)</i>	Instructional Plan <i>(Core Teacher)</i>	Level UP/Advisory Plans (Core Content Teachers) (Not NHI time)	Teacher Tips & Notes <i>(All Teachers)</i>
M O N	8/25	<u>Opening Strategy:</u> Review converting fractions, decimals, percents <u>Core Lesson Activities: two way frequency tables</u> Slides Two way table survey Two way table handout desmos <u>Summarizing Activity:</u> Exit ticket from online textbook	IXL	Test on friday
T U E	8/26	<u>Opening Strategy:</u> If i know this activity with fractions and percents <u>Core Lesson Activities:</u> slides Book pages 43-50 Two-way table group activity <u>Summarizing Activity:</u> Lesson quiz from online textbook		
W E	8/27	<u>Opening Strategy:</u> warm up <u>Core Lesson Activities:</u>		

D		slideshow Mixed review scatterplots and two way tables Two-way tables Desmos Scatterplots and LOBF IXL practices <u>Summarizing Activity:</u> exit ticket		
T H U	8/28	<u>Opening Strategy:</u> warm up <u>Core Lesson Activities:</u> Slides Link Study guide Quizziz Link Study guide answers <u>Summarizing Activity:</u> how can you prepare for test?		
F R I	8/29	slideshow <u>Opening Strategy:</u> Fluency Friday <u>Core Lesson Activities:</u> Unit 1 A patterns of association test- Test Link (make sure we look at question 20 again) Poag google form link Test PDF file Paper part <u>Summarizing Activity:</u> how did you do on the first test?	● SEL Mini Lessons ● Goal Setting ● Reward Time ● School Surveys ● School To-Do's	

Unit Title:	Welcome to 8th Grade!
Unit Vocabulary:	Bivariate Data, Scatter Plot, Association, Line of Fit, Frequency, Two-Way Table, Statistical Question, Distributive Property, Like Terms, Solution, Variable

	Learning Target <i>(All Teachers)</i>	Instructional Plan <i>(Core Teacher)</i>	Level UP/Advisory Plans (Core Content Teachers) (Not NHI time)	Teacher Tips & Notes <i>(All Teachers)</i>
M O N	8/18 I can construct scatter plots to show bivariate measurement data.	<u>Opening Strategy:</u> If I know this Activity <u>Core Lesson Activities:</u> Lesson Slides <u>Summarizing Activity:</u> Practice from pg. 17 Exit Ticket (Assign on Textbook)		
T U E	8/19	<u>Opening Strategy:</u> Benchmark Review <u>Core Lesson Activities:</u> Poag slideshow Association from textbook and review equations from graph (Print slides 35-36)- Link for slides Desmos intro activity (dapper cat) Scatterplot & association notes Google form determining association Desmos-Teacher Link (writing equation from graph) <u>Summarizing Activity:</u> Google form		

W E D	8/21 I can analyze scatterplots using a line of best fit	<u>Opening Strategy:</u> Warm up identifying association <u>Core Lesson Activities:</u> Slide Links - identifying line of best fit IXL Practice: II. 5-8 <u>Summarizing Activity:</u> exit ticket		
T H U	8/20 I can predict using a line of best fit	<u>Opening Strategy:</u> Warm up identifying association <u>Core Lesson Activities:</u> Slide link Creating line of best fit using desmos with worksheet Group activity <u>Summarizing Activity:</u> exit ticket		
F R I	8/15 I can predict and analyze using a line of best fit	<u>Opening Strategy:</u> Fluency Friday <u>Core Lesson Activities:</u> Quiz - scatterplots and line of best fit quiz Slides Paper part of quiz Link for slides Poag slides <u>Summarizing Activity:</u> exit ticket	● SEL Mini Lessons ● Goal Setting ● Reward Time ● School Surveys ● School To-Do's	

Unit Title:	Welcome to 8th Grade!
Unit Vocabulary:	Bivariate Data, Scatter Plot, Association, Line of Fit, Frequency, Two-Way Table, Statistical Question, Distributive Property, Like Terms, Solution, Variable

	Learning Target <i>(All Teachers)</i>	Instructional Plan <i>(Core Teacher)</i>	Level UP/Advisory Plans (Core Content Teachers) (Not NHI time)	Teacher Tips & Notes <i>(All Teachers)</i>
M O N	8/11 I know what is expected of me at NWMS.	poag slideshow <u>Opening Strategy:</u> Find your seat <u>Core Lesson Activities:</u> Go over classroom expectations/rules, introductions, ice breakers etc. <u>Summarizing Activity:</u> write down to bring back supplies and forms	Beginning of the year Activities	
T U E	8/12 I know what is expected of me at NWMS.	<u>Opening Strategy:</u> Find your seat <u>Core Lesson Activities:</u> Go over syllabus, rules, procedures get to know you activities, etc. poag's slides <u>Summarizing Activity:</u> what is one of your teacher's expectations? tell your neighbor		

W E D	8/13 I can solve equations.	<u>Opening Strategy:</u> Set up warmup notebook and math binder <u>Core Lesson Activities:</u> Review equations - solving 2 step, multi-step and variables on both sides slideshow notes <u>Summarizing Activity:</u> exit ticket		
T H U	8/14 I can identify types of solutions to equations with variables on both sides.	<u>Opening Strategy:</u> Warm up <u>Core Lesson Activities:</u> Types of solutions with equations, graphs, and tables slideshow Partner activity Answer key <u>Summarizing Activity:</u> exit ticket		
F R I	8/15 I can identify types of solutions to equations with variables on both sides.	<u>Opening Strategy:</u> Fluency Friday <u>Core Lesson Activities:</u> Types of solutions with equations, graphs, and tables <u>Summarizing Activity:</u> exit ticket	● SEL Mini Lessons ● Goal Setting ● Reward Time ● School Surveys ● School To-Do's	