

# WEST DEPTFORD TOWNSHIP SCHOOL

Content Area: Mathematics			
Course Title: 7 <sup>th</sup> Grade Math		Grade Level: 7	
	<b>Topic 1: Integers and Rational Numbers</b>	September - October 10 weeks	
	Lesson 1: Relate Integers and their Opposites Lesson 2: Understand Rational Numbers Lesson 3: Add Integers Lesson 4: Subtract Integers Lesson 6: Multiply Integers Lesson 8: Divide Integers Lesson 5: Add and Subtract Rational Numbers Lesson 7: Multiply Rational Numbers Lesson 9: Divide Rational Numbers Lesson 10: Solve Problems with Rational Numbers		
	<b>Topic 4: Generate Equivalent Expressions</b>	November - December 7 weeks	
	Lesson 3: Simplify Expressions Lesson 4: Expand Expressions Lesson 5: Factor Expressions Lesson 1: Write and Evaluate Algebraic Expressions Lesson 2: Generate Equivalent Expressions Lesson 6: Add Expressions Lesson 7: Subtract Expressions Lesson 8: Analyze Equivalent Expressions		
	<b>Topic 5: Solve Problems Using Equations</b>	January 4 weeks	
	Lesson 1: Write Two-Step Equations Lesson 2: Solve Two-Step Equations Lesson 3: Solve Equations Using the Distributive Property		
	<b>Topic 2: Analyze and Use Proportional Relationships</b>	February - March 7 weeks	

	Lesson 1: Connect Ratios, Rates, and Unit Rates Lesson 2: Determine Unit Rates with Ratios Lesson 3: Understand Proportional Relationships: Equivalent Ratios Lesson 4: Describe Proportional Relationships: Constant of Proportionality Lesson 5: Graph Proportional Relationships Lesson 6: Apply Proportional Reasoning to Solve Problems		
	<b>Topic 3: Analyze and Solve Percent Problems</b>	March - April 6 weeks	
	Lesson 1: Analyze Percent of Numbers Lesson 2: Connect Percent and Proportion Lesson 3: Represent and Use the Percent Equation Lesson 4: Solve Percent Change and Percent Error Problems Lesson 5: Solve Markup and Markdown Problems Lesson 6: Solve Simple Interest Problems		
	<b>Topic 5: Solve Problems Using Inequalities</b>	May 2 weeks	
	Lesson 4: Solve Inequalities Using Addition or Subtraction Lesson 5: Solve Inequalities Using Multiplication or Division Lesson 6: Solve Two-Step Inequalities Lesson 7: Solve Multi-Step Inequalities		
	<b>Topic 7: Probability</b>	May 2 weeks	
	Lesson 1: Understand Likelihood and Probability Lesson 2: Understand Theoretical Probability Lesson 3: Understand Experimental Probability Lesson 4: Use Probability Models Lesson 5: Determine Outcomes of Compound Events Lesson 6: Find Probabilities of Compound Events Lesson 7: Simulate Compound Events		
	<b>Topic 6: Use Sampling to Draw Inferences About Populations</b>	1 week	

	Lesson 1: Populations and Samples Lesson 2: Draw Inferences from Data Lesson 3: Make Comparative Inferences About Populations Lesson 4: Make More Comparative Inferences About Populations			
	<b>Topic 8: Solve Problems Solving Geometry</b>		1 week	
	Lesson 1: Solve Problems Involving Scale Drawings Lesson 2: Draw Geometric Figures Lesson 3: Draw Triangles with Given Conditions Lesson 4: Solve Problems Using Angle Relationships Lesson 5: Solve Problems Involving Circumference of a Circle Lesson 6: Solve Problems Involving Area of a Circle Lesson 7: Describe Cross Sections Lesson 8: Solve Problems Involving Surface Area Lesson 9: Solve Problems Involving Volume			
<i>Date Created: August 2022</i> <i>Revised: August 2023</i>		<i>Date Created: August 2022</i> <i>Revised: August 2023</i>		

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## Seventh Grade Mathematics Pacing Guide

Topic Number	Title	Instructional Period	Number of Days
	Readiness Testing (Placement test)		2
1	<b>Integers and Rational Numbers</b>	September - October - 10 weeks	38
	Integers Test		2
	Adding and Subtracting Rational Numbers Test		2
	Multiply and Dividing Rational Numbers Test		2
4	<b>Generate Equivalent Expressions</b>	November - December- 7 weeks	24
	Simplifying and Combining Like Terms Test		2
	Adding and Subtracting Expressions Test		2
5	<b>Solving Equations</b>	January - 4 weeks	15
	Solving Linear Equations Test		2
2	<b>Analyze and Use Proportional Relationships</b>	February - March- 7 weeks	28
	Proportions Test		2
3	<b>Analyze and Solve Percents</b>	March - April- 6 weeks	21
	Intro to Percents Test		2
	Multi-step Percents Test		2
5	<b>Solving Problems with Inequalities</b>	May- 2 weeks	8
	Inequalities Test		2
7	<b>Probability</b>	May- 2 weeks	10
6	<b>Sampling</b>	1 week	5
8	<b>Solve Problems involving Geometry</b>	1 week	3

	Unit 7-8 Test		2
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