2024-2025 7th Grade Math Syllabus

Grading Period	Book Lessons/Standards	Standard Summary

1st 9-Weeks	• Unit 1
	  o **Lesson 1: Solve problems involving Scale**
	    ▪ 7.GA.1
	  o **Lesson 2: Find unit Rates Involving Ratios of Fractions**
	    ▪ 7.RP.A.1
	  o **Lesson 3: Understand Proportional Relationships**
	    ▪ 7.RP.A.2, 7.RP.A.2b, 7.RP.A.2c
	  o **Lesson 4: Represent Proportional Relationships**
	    ▪ 7.RP.A.2, 7.RP.A.2a, 7.RP.A.2b, 7.RP.A.2d
	  o **Lesson 5: Solve Proportional Relationship Problems**
	    ▪ 7.RP.A.2, 7.RP.A.2b, 7.RP.A.3
	  o **Lesson 6: Solve Area and Circumference Problems Involving Circles**
	    ▪ 7.G.B.3
		• **7.G.A.1:**
		• **7.RP.A.1:**
		• **7.RP.A.2:**
		• **7.RP.A.2a:**
		• **7.RP.A.2b:**
		• **7.RP.A.2c:**
		• **7.RP.A.2d:**
		• **7.RP.A.3:**
		• **7.G.B.3:**

2nd 9-Weeks	• Unit 2
	  o **Lesson 7: Understand Addition with Negative Integers**
	    ▪ 7.NS.A.1, 7.NS.A.1a
	  o **Lesson 8: Add with Negative Integers**
	    ▪ 7.NS.A.1, 7.NS.A.1c
	  o **Lesson 9: Understand Subtraction with Negative Integers**
	    ▪ 7.NS.A.1, 7.NS.A.1b
	  o **Lesson 10: Add and Subtract with Positive and Negative Numbers**
	    ▪ 7.NS.A.1, 7.NS.A.1c
	• Unit 3
	  o **Lesson 11: Understand Multiplication with Negative Integers**
	    ▪ 7.NS.A.2, 7.NS.A.2a
	  o **Lesson 12: Multiply and Divide with Negative Numbers**
	    ▪ 7.NS.A.2, 7.NS.A.2b, 7.NS.A.2c
	  o **Lesson 13: Express Rational Numbers as Terminating or Repeating Decimals**
	    ▪ 7.NS.A.2, 7.NS.A.2d, 7.EE.B.3, 7.EE.B.3a, 7.EE.B.3b
	  o **Lesson 14: Use the Four operations with Negative Numbers**
	    ▪ 7.NS.A.3, 7.EE.B.3, 7.EE.B.3a, 7.EE.B.3b
		• **7.NS.A.1:**
		• **7.NS.A.1a:**
		• **7.NS.A.1b:**
		• **7.NS.A.1c:**
		• **7.NS.A.2:**
		• **7.NS.A.2a:**
		• **7.NS.A.2b:**
		• **7.NS.A.2c:**
		• **7.NS.A.2d:**
		• **7.NS.A.3:**
		• **7.EE.B.3:**
		• **7.EE.B.3a:**
		• **7.EE.B.3b:**

3rd-9-Weeks	• Unit 4
	  o **Lesson 15: Write Equivalent Expressions Involving Rational Numbers**
	    ▪ 7.EE.A.1
	  o **Lesson 16: Understand Reasons for Rewriting Expressions**
	    ▪ 7.EE.A.2
	  o **Lesson 17: Understand Multi-Step Equations**
	    ▪ 7.EE.B.4
	  o **Lesson 18: Write and Solve Multi-Step Equations**
	    ▪ 7.EE.B.4, 7.EE.B.4a
	  o **Lesson 19: Write and Solve Inequalities**
	    ▪ 7.EE.B.4, 7.EE.B.4b
	• Unit 5
	  o **Lesson 20: Solve Problems Involving Percents**
	    ▪ 7.RP.A.3
	  o **Lesson 21: Solve Problems Involving Percent Change and Percent Error**
	    ▪ 7.RP.A.3
	  o **Lesson 22: Understand Random Sampling**
	    ▪ 7.SPA.1
	  o **Lesson 23: Reason About Random Samples**
	    ▪ 7.SPA.2
	  o **Lesson 24: Compare Populations**
	    ▪ 7.SPB.3, 7.SPB.4
		• **7.EE.A.1:**
		• **7.EE.A.2:**
		• **7.EE.B.4:**
		• **7.EE.B.4a:**
		• **7.EE.B.4b:**
		• **7.RP.A.3:**
		• **7.SPA.1:**
		• **7.SPA.2:**
		• **7.SPB.3:**
		• **7.SPB.4:**

4th 9-Weeks	• Unit 6
	  o **Lesson 25: Solve Problems Involving Area and Surface Area**
	    ▪ 7.G.B.5
	  o **Lesson 26: Solve Problems Involving Volume**
	    ▪ 7.G.B.5
	  o **Lesson 28: Find Unknown Angle Measures**
	    ▪ 7.G.B.4
	  o **Lesson 29: Draw Plane Figures with Given Conditions**
	    ▪ 7.G.A.2
	• Unit 7
	  o **Lesson 30: Understand Probability**
	    ▪ 7.SPC.5
	  o **Lesson 31: Solve Problems Involving Experimental Probability**
	    ▪ 7.SPC.6, 7.SPC.6a, 7.SPC.7, 7.SPC.7b
	  o **Lesson 32: Solve Problems Involving Probability Models**
	    ▪ 7.SPC.6b, 7.SPC.6c, 7.SPC.7, 7.SPC.7a, 7.SPC.7b
		• **7.G.A.2:**
		• **7.G.B.4:**
		• **7.G.B.5:**
		• **7.SPC.5:**
		• **7.SPC.6:**
		• **7.SPC.6a:**
		• **7.SPC.6b:**
		• **7.SPC.6c:**
		• **7.SPC.7:**
		• **7.SPC.7a:**
		• **7.SPC.7b:**