Curriculum Mapping 2022-2023
Math – 6th Grade

1st Nine Weeks
(41 days total-4 additional days used for review and/or enrichment as needed at teacher discretion)

Chapter 1

Chapter 1 : Whole Numbers and Decimals Number of School Days: 11 days lessons/instruction, 2 days review, 1 day for assessment, total 14 days
Chapter Vocabulary: common factor, greatest common factor (GCF), least common multiple (LCM), compatible numbers, decimal, dividend, divisor, prime number, quotient
Code for Indiana Standards: NS=Number Sense C=Computation AT= Algebraic Thinking G = Geometry M = Measurement and DS=Data Analysis and Statistics High Importance Moderate Importance Low Importance

Lesson	Indiana Standard(s) Academic Vocabulary	Learning Targets and "I CAN" Statements	Resources/Activities	Pacing (each lesson takes one day or indicated below)	Assessments
1.1 Divide Multi-Digit Numbers	6.C.1 dividend divisor quotient	**Learning Objective**: Fluently divide multi-digit numbers. **Students:** I can use a standard algorithm to fluently divide multi-digit whole numbers.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: C Notes	Days 1 and 2	**Checkmark questions:** pg. 7 numbers 3 and 4 **Homework:** pg. 9-10
1.1a Prime and Composite Numbers	6.NS.6 prime number composite number	**Learning Objective**: Identify and explain prime and composite numbers **Students:** I can identify prime and composite numbers.	INsuccess Student Edition ALEKS IXL: E3 Notes	Day 3	**Checkmark questions:** INsuccess pg. 3 numbers 3 and 4 **Homework:** INsuccess pg. 5-6
1.3 Least Common Multiple	6.NS.7 least common multiple (LCM)	**Learning Objective**: Find the least common multiple of two whole numbers **Students:** I can find the least common multiple (LCM) between two whole numbers less than or equal to 12.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: E10, E11 Notes	Day 4	**Checkmark questions:** pg. 18-19 numbers 1 and 4 **Homework:** pg. 21-22

1.4 Greatest Common Factor	6.NS.7 greatest common factor (GCF)	**Learning Objective**: Find the greatest common factor of two whole numbers. **Students:** I can find the greatest common factor (GCF) between two numbers less than or equal to 100.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: E8, E9 Notes	Day 5	**Checkmark questions:** pg. 25 numbers 4 and 7 **Homework:** pg. 27-28
1.5 Problem Solving- Apply the Greatest Common Factor-	6.NS.7 greatest common factor (GCF)	**Learning Objective**: Solve problems involving greatest common factor by using the strategy draw a diagram **Students:** I can find the greatest common factor (GCF) between two numbers less than or equal to 100.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: E8, E9 Notes	Day 6	**Checkmark questions:** pg. 31 numbers 2 and 3 **Homework:** pg. 33-34
Midchapter Check 1 pg. 35-36	6.C.1 6.NS.7		ALEKS IXL: Repeat any from previous lessons as needed Notes	Day 7	Midchapter check 1
1.6 Add and Subtract Decimals	6.C.2 place value decimals sum	**Learning Objective**: Fluently add and subtract multi-digit decimals **Students:** I can compute with positive decimals fluently using a standard algorithm.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: G Notes	Day 8	**Checkmark questions:** pg. 39 numbers 2 and 3 **Homework:** pg. 41-42
1.7 Multiply Decimals	6.C.2 place value decimals product	**Learning Objective**: Fluently multiply multi-digit decimals **Students:** I can compute with positive decimals fluently using a standard algorithm.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: H-new (after 1), H2 Notes	Day 9	**Checkmark questions:** pg. 45 numbers 2 and 4 **Homework:** pg. 47-48
1.8 Divide Decimals by whole numbers	6.C.2 place value decimals quotient	**Learning Objective**: Fluently divide decimals by whole numbers. **Students:** I can compute with positive decimals fluently using a standard algorithm.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: H4, H5 Notes	Day 10	**Checkmark questions:** pg. 51 numbers 3 and 5 **Homework:** pg. 53-54

1.9 Divide Decimals by Decimals	6.C.2 place value decimals quotient	**Learning Objective**: Fluently divide decimals by whole numbers **Students:** I can compute with positive decimals fluently using a standard algorithm.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: H8 Notes	Day 11	**Checkmark questions:** pg. 57 numbers 2 and 4 **Homework:** pg. 59-60
Chapter 1 Review	all standards covered in chapter		ALEKS IXL: Repeat any from previous lessons as needed Notes	Day 12 and 13	**Homework**: Complete chapter 1 review .
Chapter 1 Test	all standards covered in chapter	Assess content taught in Chapter 1	Printed or online format	Day 14	Chapter 1 Test

Chapter 2

Chapter 2 : Fractions Number of School Days: 11 days lessons/instruction, 2 days review, 1 day for assessment, total 14 days
Chapter Vocabulary: numerator, denominator, equivalent fractions, simplest form, mixed numbers, improper fractions, reciprocal
Code for Indiana Standards: NS=Number Sense C=Computation AT= Algebraic Thinking G = Geometry M = Measurement and DS=Data Analysis and Statistics High Importance Moderate Importance Low Importance

Lesson	**Indiana Standard(s)** Academic Vocabulary	**Learning Targets and "I CAN" Statements**	**Resources/Activities**	**Pacing** (in school days)	**Assessments**
Fraction number sense and review skills	Equivalent fractions numerator denominator	**Learning Objective:** Compare the size of two fractions Find equivalent fractions	Fraction number strips IXL: I1, I2, I3 Fraction War Magnetic Fraction Tiles	Days 1 and 2	
2.1 Fractions and Decimals	6.NS.5 numerator denominator	**Learning Objective:** Convert between fractions and decimals. **Students:** I can convert fractions to equivalent	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich	Day 3	**Checkmark questions:** pg. 71 numbers 3 and 5 **Homework:** pg. 73-74

	equivalent	decimals and decimals to equivalent fractions	ALEKS IXL: I9, I10 Notes		
2.2 Compare and order fractions and decimals	6.NS.3 numerator denominator less than greater than number line	**Learning Objective:** Compare and order fractions and decimals. **Students:** I can plot rational numbers on a number line. I can compare and order rational numbers.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: I6 Notes	Day 4	**Checkmark questions:** pg. 77 numbers 2 and 5 **Homework:** pg. 79-80
2.3 Multiply fractions	6.C.2 6.C.3 numerator denominator	**Learning Objective:** Multiply fractions **Students:** I can multiply two or more fractions I can solve real-world problems that involve positive fractions using up to two operations.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: K6, K13 Notes	Day 5	**Checkmark questions:** pg. 83 numbers 2 and 3 **Homework:** pg. 85-86
2.4 Simply Factors	6.NS.8 numerator denominator simplest form common factor	**Learning Objective:** Simplify fractional factors by using the greatest common factor **Students:** I can find simplest form of any fraction	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: I4 Notes	Day 6	**Checkmark questions:** pg. 89 numbers 3 and 4 **Homework:** pg. 91-92
Midchapter check 2 pg 93-94	6.NS.5 6.NS.3 6.NS.8 6.C.2 6.C.3		ALEKS IXL: Repeat from previous lessons as needed Notes	Day 7	Midchapter check 2
2.2a Add and Subtract Fractions	6.C.2 6.C.3	**Learning Objective:** Add and subtract fractions with unlike denominators	INsuccess Student Edition Reteach and Enrich ALEKS	Day 8	**Checkmark questions:** INsuccess pg. 9 numbers 3 and 6

	numerator denominator	**Students:** I can add and subtraction fractions with unlike denominators I can solve real-world problems that involve positive fractions using up to two operations.	IXL: J3 Notes		**Homework:** pg. 11-12
2.5 Model Fraction Division	6.C.4 numerator denominator	**Learning Objective:** Use a model to show division of fractions. **Students**: I can use fraction models to represent dividing positive fractions by fractions.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: L-new (after L4) Notes	Day 9	**Checkmark questions:** pg. 97 numbers 2 and 4 **Homework:** pg. 99-100
2.7 Divide Fractions	6.C.4 6.C.3 reciprocal numerator denominator	**Learning Objective:** Divide fractions **Students:** I can divide two positive fractions. I can solve real-world problems involving division of fractions by fractions.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: L5 Notes	Day 10	**Checkmark questions:** pg. 109 numbers 3 and 4 **Homework:** pg. 111-112
2.9 Divide Mixed Numbers	6.C.4 reciprocal numerator denominator	**Learning Objective:** Divide mixed numbers **Students:**. I can divide mixed numbers I can solve real-world problems that involve positive fractions using up to two operations.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: L7 Notes	Day 11	**Checkmark questions:** pg. 121 numbers 2 and 3 **Homework:** pg. 123-124
Chapter 2 Review	all standards covered in chapter		ALEKS IXL: Repeat any from previous lessons as needed Notes	Day 12 and 13	**Homework**: Complete chapter 2 review .

Chapter 2 Test	all standards covered in chapter	Assess content taught in Chapter 2	Printed or online format	Day 14	Chapter 1 Test

Chapter 3

Chapter 3: Whole Numbers and Decimals Number of School Days: 11 days lessons/instruction, 2 days review, 1 day for assessment, total 14 days
Chapter Vocabulary: integer, opposites, rational number, coordinate plane, quadrants, origin, x-axis, y-axis, ordered pair, line of symmetry
Code for Indiana Standards: NS=Number Sense C=Computation AT= Algebraic Thinking G = Geometry M = Measurement and DS=Data Analysis and Statistics High Importance Moderate Importance Low Importance

Lesson	**Indiana Standard(s)** Academic Vocabulary	**Learning Targets and "I CAN" Statements**	**Resources/Activities**	**Pacing** (in school days)	**Assessments**
3.1 Understand Positive and Negative Numbers	6.NS.1 6.NS.2 integers opposites	**Learning Objective:** Understand positive and negative numbers, and use them to represent real-world quantities **Students:** I can graph positive and negative numbers and their opposites on number lines to represent real-world quantities	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: M1, M2, M3, M4 Notes	Day 1	**Checkmark questions:** pg. 141 numbers 2 and 3 **Homework:** pg. 143-144
3.2 Compare and Order Integers	6.NS.3 greater than less than	**Learning Objective:** Compare and order integers **Students:** I can use number lines to compare and order integers.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: M7, M8 Notes	Day 2	**Checkmark questions:** pg. 147 numbers 2 and 5 **Homework:** pg. 149-150
3.3 Rational Numbers and the Number Line	6.NS.2 6.NS.3 rational numbers	**Learning Objective:** Plot rational numbers on a number line, and use a number line to identify opposites **Students:** I can graph rational numbers on a number line.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: P1, P3	Day 3	**Checkmark questions:** pg. 153 numbers 2 and 3 **Homework:** pg. 155-157

			Notes		
3.4 Compare and Order Rational Numbers	6.NS.3 rational numbers	**Learning Objective:** Compare and order rational numbers **Students:** I can use number lines to compare and order rational numbers.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: P4, P5 Notes	Day 4	**Checkmark questions:** pg. 159 numbers 4 and 7 **Homework:** pg. 161-162
Midchapter Check 3	6.NS.1 6.NS.2 6.NS.3		ALEKS IXL: Repeat from previous lessons as needed Notes	Day 5	**Midchapter Check 3**
3.5 Absolute Value	6.NS.4 absolute value	**Learning Objective:** Find and interpret the absolute value of rational numbers **Students:** I can use number lines to find and interpret the absolute value of rational numbers.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: M5, M6 Notes	Day 6	**Checkmark questions:** pg. 167 numbers 3 and 5 **Homework:** pg. 169-170
3.6 Compare Absolute Values	6.NS.4	**Learning Objective:** Interpret comparisons involving absolute values **Students:** I can use number lines to interpret comparisons involving absolute values.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: M9, M10 Notes	Day 7	**Checkmark questions:** pg. 173 numbers 1 and 2 **Homework:** pg. 175-176
3.7 Rational Numbers and the Coordinate Plane	6.AF.8 Coordinate Plane x-axis y-axis origin ordered pair x-coordinate y-coordinate	**Learning Objective:** Plot ordered pairs of rational numbers on a coordinate plane **Students:** I can find and write ordered pairs then graph rational numbers on a coordinate plane.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: X1, X2 Notes	Day 8	**Checkmark questions:** pg. 178, 179 numbers 3 and 9 **Homework:** pg. 181-182

3.8 Ordered Pair Relationships	6.AF.7 quadrant line of symmetry	**Learning Objective:** Identify the relationship between points on a coordinate plane **Students:** I can identify the quadrant of any ordered pair on a coordinate plane	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: X3, X4, DD1 Notes	Day 9	**Checkmark questions:** pg. 185 numbers 3 and 7 **Homework:** pg. 187-188
3.9 Distance on the Coordinate Plane	6.AF.8 distance	**Learning Objective:** Find horizontal and vertical distances on the coordinate plane **Students:** I can graph two points then find the distance between them on a horizontal or vertical line on a coordinate plane	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: X6 Notes	Day 10	**Checkmark questions:** pg. 191 numbers 2 and 3 **Homework:** pg. 191-192
3.10 Problem Solving the Coordinate Plane	6.AF.8 6.GM.3	**Learning Objective:** Solve problems on the coordinate plane by using the strategy draw a diagram **Students:** I can use the strategy draw a diagram to solve a problem on the coordinate plane	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: X7, X8 Notes	Day 11	**Checkmark questions:** pg. 197 numbers 1 and 3 **Homework:** pg. 199-200
Chapter 3 Review all standards covered in chapter	all standards covered in chapter 3		ALEKS IXL: Repeat any from previous lessons as needed Notes	Days 12 and 13	**Homework:** Complete chapter 2 review
Chapter 3 Test	all standards covered in Chapter 3	assess standard taught in the chapter	Chapter 3 Test paper or online	Day 14	**Chapter 3 Test**

2nd Nine Weeks

(40 days total-5 additional days used for review and/or enrichment as needed at teacher discretion)

Chapter 4

Chapter 4 : Ratios and Rates Number of School Days: 9 days instruction, 2 days review, 1 day assessment, total 12 days
Chapter Vocabulary: equivalent ratios, ratio, rate, unit rate
Code for Indiana Standards: NS=Number Sense C=Computation AT= Algebraic Thinking G = Geometry M = Measurement and DS=Data Analysis and Statistics High Importance Moderate Importance Low Importance

Lesson	Indiana Standard(s) Academic Vocabulary	Learning Targets and "I CAN" Statements	Resources/Activities	Pacing (in school days)	Assessments
4.1 Investigate- Model Ratios	6.NS.8 ratio	**Learning Objective:** Model ratios **Students:** I can use two-color counters to model and write ratios	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: R1, R4 Notes	Day 1	**Checkmark questions:** pg. 213 numbers 3 and 6 **Homework:** pg. 215-216
4.2 Ratios and Rates	6.NS.8 6.NS.9 rate unit rate	**Learning Objective:** Write ratios and rates **Students:** I can write ratios and rates in three different ways I can find equivalent ratios	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: R3, R9 Notes	Day 2	**Checkmark questions:** pg. 219 numbers 5 and 6 **Homework:** pg. 221-222
4.3 Equivalent Ratios and Multiplication Tables	6.AF.9 equivalent ratios	**Learning Objective:** Use a multiplication table to find equivalent ratios **Students:** I can use a multiplication table to find and write equivalent ratios	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS	Day 3	**Checkmark questions:** pg. 225 numbers 2 and 6 **Homework:** pg. 227-228

			IXL: R7 Notes		
4.4 Problem Solving-Use Tables to Compare Ratios	6.NS.10 6.AF.9	**Learning Objective:** Solve problems involving ratios by using the strategy find a pattern **Students:** I can use the strategy find a pattern to compare ratios	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: R8, R13 Notes	Day 4	**Checkmark questions:** pg. 231 numbers 3 and 4 **Homework:** pg. 233-234
4.5 Algebra-Use Equivalent Ratios	6.AF.9	**Learning Objective:** Student partners each give an example of how to use tables to solve problems involving equivalent ratios **Students:** I can use tables to solve problems involving equivalent ratios	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: R16, R17 Notes	Day 5	**Checkmark questions:** pg. 237 numbers 5 and 6 **Homework:** pg. 239-240
Midchapter check 4	6.NS.8 6.NS.9 6.NS.10 6.AF.9		ALEKS IXL: Repeat from previous lessons as needed Notes	Day 6	**Midchapter Check 4**
4.6 Find Unit Rates	6.NS.9 unit rate	**Learning Objective:** Use unit rates to make comparisons **Students:** I can use unit rates to make comparisons	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: V2 Notes	Day 7	**Checkmark questions:** pg. 245 numbers 2 and 4 **Homework:** pg. 247-248
4.7 Algebra-Use Unit Rates	6.NS.10	**Learning Objective:** Solve problems using unit rates **Students:** I can solve problems using unit rates.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: R15 Notes	Day 8	**Checkmark questions:** pg. 251 numbers 2 and 5 **Homework:** pg. 253-254
4.8 Equivalent	6.AF.9	**Learning Objective:** Use a graph to represent equivalent ratios	Personal Math Trainer Math on the Spot Video	Day 9	**Checkmark questions:** pg. 257 numbers 2 and 3

Ratios and Graphs		**Students:** I can use a graph to represent equivalent ratios.	Student Edition Reteach and Enrich ALEKS IXL: R11 Notes		**Homework:** pg. 259-260
Review/ Practice Test	All standards covered in chapter 4		ALEKS IXL: Repeat any from previous lessons as needed Notes	Days 10 and 11	Chapter 4 Review
Chapter 4 Test	All standards covered in chapter 4	assess standard taught in the chapter	Chapter 4 Test paper or online	Day 12	Chapter 4 test

Chapter 5

Chapter 5: Percents Number of School Days: 7 days instruction,, 2 days review, 1 day assessment, total 10 days
Chapter Vocabulary: percent, repeating decimal, terminating decimal
Code for Indiana Standards: NS=Number Sense C=Computation AT= Algebraic Thinking G = Geometry M = Measurement and DS=Data Analysis and Statistics High Importance Moderate Importance Low Importance

Lesson	**Indiana Standard(s)** Academic Vocabulary	**Learning Targets and "I CAN" Statements**	**Resources/Activities**	**Pacing** (in school days)	**Assessments**
5.1 Investigate-Model Percents	6.NS.5 percent	**Learning Objective:** Use a model to show a percent as a rate per 100 **Students:** I can use a 10-by-10 grid to show a percent as a ratio or rate per 100.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: S1, S3 Notes	Day 1	**Checkmark questions:** pg. 271 numbers 1 and 5 **Homework:** pg. 273-274
5.2 Write Percents as	6.NS.5 percent	**Learning Objective:** Write percents as fractions and decimals	Personal Math Trainer Math on the Spot Video Student Edition	Day 2	**Checkmark questions:** pg. 276 numbers 3 and 4

Fractions and Decimals		**Students:** I can write percents as fractions and decimals by first writing the percent as a ratio that compares a number to 100.	Reteach and Enrich ALEKS IXL: S4 Notes		**Homework:** pg. 279-280
5.3 Write Fractions and Decimals as Percents	6.NS.5 percent	**Learning Objective:** Write fractions and decimals as percents **Students:** I can write fractions and decimals as percents by first writing an equivalent fraction with a denominator of 100 or by multiplying by 100 to move the decimal point.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: S5 Notes	Day 3	**Checkmark questions:** pg. 283 numbers 2 and 3 **Homework:** pg. 285-286
Midchapter check 5 5.3a Explore Fractions and Repeating Decimals	6.NS.5 repeating decimal terminating decimal	**Learning Objective:** Write fractions and decimals as percents **Students:** I can write fractions and decimals as percents by using division to convert fractions to terminating or repeating decimals	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: F9 Notes	Day 4	**Checkmark questions:** INsuccess pg. 15 numbers 2 and 3 **Homework:** pg. 17-18
5.4 Percent of a Quantity	6.NS.5 percent	**Learning Objective:** Find a percent of a quantity **Students:** I can find a percent of a quantity by using ratio reasoning or by multiplying.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: S10 Notes	Day 5	**Checkmark questions:** pg. 290 numbers 2 and 5 **Homework:** pg. 293-294
5.5 Problem Solving- Percents	6.NS.5 percent	**Learning Objective:** Solve percent problems by applying the strategy use a model **Students:** I can use the strategy use a model to solve a percent problem by drawing a bar model that represents the problem and shows 100%	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: S9, S11 Notes	Day 6	**Checkmark questions:** pg. 297 numbers 2 and 3 **Homework:** pg. 299-300
5.6 Find the Whole from a Percent	6.NS.5 percent	**Learning Objective:** Find the whole given a part and the percent **Students:** I can equivalent ratios, and the relationship among the percent, part, and whole	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS	Day 7	**Checkmark questions:** pg. 303 numbers 1 and 3 **Homework:** pg. 305-306

		to find the whole given a part and the percent.	IXL: S13, S14 Notes		
Review/ Practice Test	All standards covered in chapter 5		ALEKS IXL: Repeat any from previous lessons as needed Notes	Days 8 and 9	Chapter 5 Review
Chapter 5 Test	all standards covered in Chapter 5	Assess all standards taught in Chapter 5	Chapter 5 Test online or paper format	Day 10	Chapter 5 Test

Chapter 6

Chapter 6: Units of Measure	Number of School Days: 4 days of instruction, 1 day of assessment-5 days total
Chapter Vocabulary: capacity, length, weight, mass, metric unit, conversion factor, equivalent	
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Lesson	**Indiana Standard(s)** Academic Vocabulary	**Learning Targets and "I CAN" Statements**	**Resources/Activities**	**Pacing** (in school days)	**Assessments**
6.1 Convert Units of Length 6.2 Convert Units of Capacity	6.GM.1 equivalent conversion factor capacity	**Learning Objective:** Use ratio reasoning to convert from one unit to another for both units of length and capacity **Students:** I can use a conversion factor to convert from one unit to another for both units of length and capacity	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: T3 Notes	Day 1	**Checkmark questions:** pg. 317 numbers 3 and 5 pg. 323 numbers 3 and 4 **Homework:** pg. 319 and 325
6.3 Convert Units of Weight 6.3a Customary	6.GM.1 conversion factor metric units weight mass	**Learning Objective:** Use ratio reasoning to convert from one unit of weight or mass to another Convert between customary units and metric units	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: T8 Notes	Day 2	**Checkmark questions:** pg. 329 numbers 3 and 4 INsuccess: pg 21 numbers 5 and 6 **Homework:** INsuccess pg. 23 and pg 331

and Metric Conversions		**Students:** I can convert customary or metric units of weight or mass from one unit of length to another by using a conversion factor or powers of 10. I can convert between customary units and metric units by using a conversion factor			
6.4 Transform Units	6.GM.1	**Learning Objective:** Transform units to solve problems **Students:** I can transform units by identifying the units in the problem and using the relationship among the units to solve problems.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS Notes	Day 3	**Checkmark questions:** pg. 337 numbers 1 and 2 **Homework:** Chapter 6 Review
6.5 Problem Solving: Distance, Rate, and Time Formulas Chapter 6 Review as a whole class	6.GM.1 distance rate time	**Learning Objective:** Solve problems involving distance, rate, and time by applying the strategy use a formula **Students:** I can use the strategy use a formula to solve problems involving distance, rate, and time by choosing a formula, substituting the values, and multiplying.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS Notes	Day 4	**Checkmark questions:** pg. 343 numbers 3 and 4 **Homework:** pg. 345-346
Chapter 6 Test	6.GM.1	Assess all standards taught in Chapter 6	Online test with numbers: 1, 3, 4, 7, 8, 12, 14, 16, 17, 19, 20 Use paper/pencil answer key to show work	Day 5	Question Numbers: 1, 3, 4, 7, 8, 12, 14, 16, 17, 19, 20

Chapter 7

Chapter 7: Algebra: Expressions Number of School Days: 10 days of instruction, 2 days review, 1 day assessment, total 13 days
Chapter Vocabulary: algebraic expression, base, coefficient, evaluate, numerical expression,order of operations, terms, variable, commutative property, associative property, identity property
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Lesson	Indiana Standard(s) Academic Vocabulary	Learning Targets and "I CAN" Statements	Resources/Activities	Pacing (in school days)	Assessments
7.1 Exponents	6.C.5 exponent base	**Learning Objective:** Write and evaluate expressions involving exponents **Students:** I can write and find the value of expressions with positive numbers and whole number exponents.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: D1, D2 Notes	Day 1	**Checkmark questions:** pg. 359 numbers 2 and 3 **Homework:** pg. 361-362
7.2a Properties	6.C.6 commutative property associative property identity property	**Learning Objective:** Identify the properties of addition and multiplication **Students:** I can use properties of addition and multiplication to solve problems	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: Y11, Y12 Notes	Day 2	**Checkmark questions:** INsuccess pg. 27 numbers 2 and 6 **Homework:** pg. 29-30
7.2 Evaluate Expressions Involving Exponents	6.C.6 numerical expression evaluate order of operations	**Learning Objective:** Use the order of operations to evaluate expressions involving exponents **Students:** I can use the order of operations to evaluate expressions involving exponents.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: O5 Notes	Day 3	**Checkmark questions:** pg. 365 numbers 3 and 4 **Homework:** pg. 367-368
7.3 Write Algebraic Expressions	6.AF.3 algebraic expression variable	**Learning Objective:** Write algebraic expressions **Students:** I can write an algebraic expression to represent a situation or a word expression	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: Y3 Notes	Day 4	**Checkmark questions:** pg. 371 numbers 2 and 3 **Homework:** pg. 373-374
7.4 Identify Parts of an Expression 7.5 Evaluate Algebraic	6.AF.1 coefficient terms	**Learning Objective:** Identify parts of expressions Evaluate algebraic expressions and formulas	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS	Day 5	**Checkmark questions:** pg. 377 numbers 1 and 2 pg. 383 numbers 3 and 5 **Homework:** pg. 385-386

Expressions and Formulas		**Students:** I can identify terms and coefficients in an expression I can evaluate an algebraic expression and a formula by substituting numbers for the variables and then following the order of operations.	IXL: Y8, Y5 Notes		
Midchapter check 7	6.C.5 6.C.6 6.AF.1 6.AF.3		ALEKS IXL: Repeat from previous lessons as needed Notes	Day 6	Midchapter check 7
7.6 Use Algebraic Expressions	6.AF.3	**Learning Objective:** Use algebraic expressions to solve problems **Students:** I can use variables to represent unknown quantities and write algebraic expressions to solve problems.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: Y7 Notes	Day 7	**Checkmark questions:** pg. 391 numbers 1 and 2 **Homework:** pg. 393-394
7.7 Problem Solving- Combine Like Terms	6.AF.2 like terms	**Learning Objective:** Combine like terms by using the strategy use a model **Students:** I can use the strategy use a model to combine like terms by drawing a bar model to find the sum	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: Y18 Notes	Day 8	**Checkmark questions:** pg. 397 numbers 3 and 4 **Homework:** pg. 399-400
7.8 Generate Equivalent Expressions	6.AF.2 equivalent expressions commutative property associative property identity property	**Learning Objective:** Use the properties of operations to generate equivalent algebraic expressions **Students:** I can use properties of operations to write equivalent algebraic expressions to reorder, regroup, or rewrite the like terms.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: Y19 Notes	Day 9	**Checkmark questions:** pg. 403 numbers 2 and 4 **Homework:** pg. 405-406
7.9 Identify Equivalent Expressions	6.AF.2	**Learning Objective:** Identify equivalent algebraic expressions	Personal Math Trainer Math on the Spot Video Student Edition	Day 10	**Checkmark questions:** pg. 409 numbers 2 and 4

		Students: I can use properties of operations to determine whether algebraic expressions are equivalent.	Reteach and Enrich ALEKS IXL: Y20 Notes		**Homework:** pg. 411-412
Practice Test/Review	all standards covered in chapter 7		ALEKS IXL: Repeat any from previous lessons as needed Notes	Days 11 and 12	**Chapter 7 Review**
Chapter 7 Test	all standards covered in chapter 7	Assess content taught in Chapter 7	Printed or online format	Day 13	Chapter 7 Test

3rd 9 Weeks

(36 days total-4 additional days used for review and/or enrichment as needed at teacher discretion)

Chapter 9

Chapter 8: Algebra: Equations and Inequalities Number of School Days: 7-8 days instruction, 2 days assessments, total 10-11days
Chapter Vocabulary: Equation, inequality, inverse operations, solution of an equation, "Golden Rule"
Code for Indiana Standards: NS=Number Sense C=Computation AT= Algebraic Thinking G = Geometry M = Measurement and DS=Data Analysis and Statistics High Importance Moderate Importance Low Importance

Lesson	**Indiana Standard(s)** Academic Vocabulary	**Learning Targets and "I CAN" Statements**	**Resources/Activities**	**Pacing** (in school days)	**Assessments**
8.1 Solutions of Equations	6.AF.4 solution of an equation equation	**Learning Objective:** Determine whether a number is a solution of an equation **Students:** I can determine whether the given value of a variable is a solution of an equation.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: Z1, Z2 Notes	Day 1	**Checkmark questions:** pg. 423 numbers 3 and 4 **Homework:** pg. 425-426
8.2 Write Equations	6.AF.5	**Learning Objective:** Translate between words and equations	Personal Math Trainer Math on the Spot Video	Day 2	**Checkmark questions:** pg. 429 numbers 2 and 4

		Students: I can write an equation for a word sentence or situation and write a word sentence for a given equation.	Student Edition Reteach and Enrich ALEKS IXL: Z3 Notes		**Homework:** pg. 431-432
8.4 Solve Addition and Subtraction Equations	6.AF.5 inverse operations "Golden Rule"	**Learning Objective:** Use algebra to solve addition and subtraction equations **Students:** I can use inverse operations to solve addition and subtraction equations	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: Z7, Z10 Notes	Day 3	**Checkmark questions:** pg. 435 numbers 3 and 6 **Homework:** pg. 437-438
8.6 Solve Multiplication and Division Equations	6.AF.5 inverse operations "Golden Rule"	**Learning Objective:** Use algebra to solve multiplication and division equations **Students:** I can use inverse operations to solve multiplication and division equations.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: Z8, Z11 Notes	Day 4	**Checkmark questions:** pg. 441 numbers 2 and 4 **Homework:** pg. 443-444
8.7 Problem Solving: Equations with Fractions	6.AF.5 reciprocal	**Learning Objective:** Solve equations involving fractions by using the strategy solve a simpler problem **Students:** I can use the strategy solve a simpler problem to solve equations involving fractions by first writing a simpler equation using whole numbers.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: Z9 Notes	Day 5	**Checkmark questions:** pg. 447 numbers 3 and 4 **Homework:** pg. 449-450
Midchapter check 8	6.AF.4 6.AF.5		ALEKS IXL: Repeat from previous lessons as needed Notes	Day 6	**Midchapter Check 8**
8.8 Solutions of Inequalities	6.AF.4 inequality solutions of an inequality	**Learning Objective:** Determine whether a number is a solution of an inequality **Students:** I can determine whether the given value of a variable is a solution of an inequality	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: AA1	Day 7	**Checkmark questions:** pg. 467 numbers 2 and 4 **Homework:** pg. 469-470

			Notes		
8.9 Write Inequalities	6.AF.6	**Learning Objective:** Write algebraic inequalities **Students:** I can write an inequality for a word sentence and tell what type of numbers the variable can represent and write a word sentence for a given inequality	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS Notes	Day 8	**Checkmark questions:** pg. 473 numbers 2 and 4 **Homework:** pg. 475-476
8.10 Graph Inequalities	6.AF.6	**Learning Objective:** Represent solutions of algebraic inequalities on number line diagrams **Students:** I can graph the solutions of an inequality on a number line and write the inequality represented by a graph.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: AA2, AA3 Notes	Day 9	**Checkmark questions:** pg. 479 numbers 2 and 3 **Homework:** pg. 481-482
Review Day/Practice Test	all standards covered in chapter 8		ALEKS IXL: Repeat any from previous lessons as needed Notes	Days 10 and 11	**Chapter 8 Review**
Chapter 8 Test	all standards covered in chapter 8	Assess content taught in Chapter 9	Printed or online format	Day 12	Chapter 9 Test

Chapter 9

Chapter 9: Algebra: Relationships between Variables Number of School Days: 6 days of instruction, 1 day of review, 1 days assessments, total 8 days
Chapter Vocabulary: independent variable, dependent variable, linear equation, input, output
Code for Indiana Standards: NS=Number Sense C=Computation AT= Algebraic Thinking G = Geometry M = Measurement and DS=Data Analysis and Statistics High Importance Moderate Importance Low Importance

Lesson	**Indiana Standard(s)** Academic Vocabulary	**Learning Targets and "I CAN" Statements**	**Resources/Activities**	**Pacing** (in school days)	**Assessments**
9.1 Independent	6.AF.10	**Learning Objective:** Write an equation to	Personal Math Trainer	Day 1	**Checkmark questions:**

and Dependent Variables	independent variable dependent variable	represent the relationship between an independent variable and a dependent variable **Students:** I can identify independent and dependent variables then write an equation to represent the relationship between them.	Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: BB4 Notes		pg. 493 numbers 2 and 3 **Homework:** pg. 495-496
9.2 Equations and Tables	6.AF.10 input output	**Learning Objective:** Translate between equations and tables **Students:** I can use data in a table to write an equation to describe the relationship between two quantities and then find an unknown value in the table.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: BB8 Notes	Day 2	**Checkmark questions:** pg. 499 numbers 1 and 2 **Homework:** pg. 501-502
9.3 Problem Solving: Analyzing Relationships	6.AF.10	**Learning Objective:** Solve problems involving relationships between quantities by using the strategy find a pattern **Students:** I can use the strategy find a pattern to solve problems involving relationships between quantities by finding a pattern in a table and using the pattern to write an equation.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS Notes	Day 3	**Checkmark questions:** pg. 505 numbers 3 and 4 **Homework:** pg. 507-508
9.4 Graph Relationships	6.AF.10	**Learning Objective:** Graph the relationship between two quantities **Students:** I can use table values to write ordered pairs and graph the relationship between two quantities then find an unknown value of y	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: BB12 Notes	Day 4	**Checkmark questions:** pg. 511 numbers 2 and 3 **Homework:** pg. 513-514
Midchapter check 9	6.AF.10		ALEKS IXL: Repeat from previous lessons as needed Notes	Day 5	**Midchapter check 9**
9.5 Equations and Graphs	6.AF.10	**Learning Objective:** Translate between equations and graphs **Students:** I can write a linear equation for the relationship shown in a graph and graph a linear equation.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: BB11	Day 6	**Checkmark questions:** pg. 517 numbers 2 and 3 **Homework:** pg. 519-520

			Notes		
Practice Test/Review	all standards covered in chapter 9		ALEKS IXL: Repeat any from previous lessons as needed Notes	Day 7	**Chapter 9 Review**
Chapter 9 Test	all standards covered in chapter	Assess content taught in Chapter 9	Printed or online format	Day 8	Chapter 9 Test

Chapter 10

Chapter 10: Area Number of School Days: 8 days of instruction, 1 day or review, 1 day of assessment, total 10 days
Chapter Vocabulary: area, composite figure, parallelogram, trapezoid, regular polygon, interior angles, quadrilateral
Code for Indiana Standards: NS=Number Sense C=Computation AT= Algebraic Thinking G = Geometry M = Measurement and DS=Data Analysis and Statistics High Importance Moderate Importance Low Importance

Lesson	**Indiana Standard(s)** Academic Vocabulary	**Learning Targets and "I CAN" Statements**	**Resources/Activities**	**Pacing** (in school days)	**Assessments**
10.1 Algebra: Area of Parallelograms	6.GM.4 area parallelogram	**Learning Objective**: Find the area of parallelograms **Students:** I can find the area of a parallelogram or square and find an unknown measurement for a parallelogram.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: FF4 Notes	Day 1	**Checkmark questions:** pg. 535 numbers 5 and 6 **Homework:** pg. 537-538
10.3 Algebra: Area of Triangles	6.GM.4	**Learning Objective**: Find the area of triangles **Students:** I can use a formula to find the area of triangles and find an unknown measurement for a triangle	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: FF6 Notes	Day 2	**Checkmark questions:** pg. 547 numbers 2 and 4 **Homework:** pg. 549-550
10.5 Algebra: Area of Trapezoids	6.GM.4 trapezoid	**Learning Objective**: Find the area of trapezoids	Personal Math Trainer Math on the Spot Video Student Edition	Day 3	**Checkmark questions:** pg. 559 numbers 2 and 3

		Students: I can use a formula to find the area of trapezoids and find an unknown height for a trapezoid.	Reteach and Enrich ALEKS IXL: FF8 Notes		**Homework:** pg. 561-562
Midchapter check 10	6.GM.4		ALEKS IXL: Repeat from previous lessons as needed Notes	Day 4	**Midchapter 10**
10.6 Area of Regular Polygons	6.GM.4 regular polygon	**Learning Objective**: Find the area of regular polygons **Students:** I can l use a formula to find the area of regular polygons	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS Notes	Day 5	**Checkmark questions:** pg. 567 numbers 2 and 3 **Homework:** pg. 569-570
10.7 Composite Figures	6.GM.4 composite figure	**Learning Objective**: Find the area of composite figures **Students:** I can find the area of complex shapes composed of polygons by separating the figure into polygons.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: FF11, FF12 Notes	Day 6	**Checkmark questions:** pg. 573 numbers 2 and 3 **Homework:** pg. 575-576
10.8a Triangles 10.8b Quadrilaterals	6.GM.2 interior angles quadrilateral	**Learning Objective**: Identify the interior angles of both triangles and quadrilaterals **Students:** I can solve a missing interior angle of a triangle and a quadrilateral by subtracting the sum of the known angles from 180 for a triangle and 360 for a quadrilateral	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: CC9, CC11 Notes	Day 7	**Checkmark questions:** INsuccess pg. 33 numbers 2 and 4 INsuccess pg. 39 numbers 3 and 5 **Homework:** INsuccess pg. 35 and 41
10.9 Figures on the Coordinate Plane	6.GM.3	**Learning Objective**: Plot polygons on a coordinate plane, and use coordinates to find side length. **Students:** I can plot polygons on a coordinate plane and find their side lengths and use properties of quadrilaterals to find unknown vertices.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS Notes	Day 8	**Checkmark questions:** pg. 585 numbers 1 and 2 **Homework:** pg. 587-588

Practice Test/Review	all standards covered in chapter 10		ALEKS IXL: Repeat any from previous lessons as needed Notes	Day 9	**Chapter 10 Review**
Chapter 10 Test	all standards covered in chapter	Assess content taught in Chapter 10	Printed or online format	Day 10	Chapter 10 Test

Chapter 11

Chapter 11: Surface Area and Volume Number of School Days: 11-12 days instruction, 2 days assessments, total 14-15days
Chapter Vocabulary: net, surface area, volume
Code for Indiana Standards: NS=Number Sense C=Computation AT= Algebraic Thinking G = Geometry M = Measurement and DS=Data Analysis and Statistics High Importance Moderate Importance Low Importance

Lesson	**Indiana Standard(s)** Academic Vocabulary	**Learning Targets and "I CAN" Statements**	**Resources/Activities**	**Pacing** (in school days)	**Assessments**
11.2 Investigate: Explore Surface Area with a Net	6.GM.6 net surface area	**Learning Objective**: Use nets to recognize that the surface area of a prism is equal to the sum of the areas of its faces **Students:** I can use centimeter grid paper to analyze the relationship between a net and the surface area of a prism.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: EE3 Notes	Day 1	**Checkmark questions:** pg. 605 numbers 2 and 3 **Homework:** pg. 607-608
11.3 Algebra Surface Area of Prisms	6.GM.6	**Learning Objective**: Find the surface area of prisms **Students:** I can use nets and use a formula to find the surface area of a prism.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: FF21 Notes	Day 2	**Checkmark questions:** pg. 611 numbers 2 and 3 **Homework:** pg. 613-614
11.5 Investigate: Fractions and Volume	6.GM.5 volume	**Learning Objective**: Investigate the volume of rectangular prisms with fractional edge lengths **Students:** I can use a net to analyze the relationship between volume and the edge	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich	Day 3	**Checkmark questions:** pg. 625 numbers 2 and 4 **Homework:** pg. 627-628

		lengths of a rectangular prism with fractional edge lengths	ALEKS IXL: FF19 Notes		
11.6 Algebra: Volume of Rectangular Prisms	6.GM.5	**Learning Objective**: Use formulas to find the volume of rectangular prisms with fractional edge lengths **Students:** I can use a formula to find the volume of rectangular prisms with fractional edge lengths.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: FF20 Notes	Day 4	**Checkmark questions:** pg. 631 numbers 1 and 2 **Homework:** pg. 633-634
Practice Test/Review	all standards covered in chapter		ALEKS IXL: Repeat any from previous lessons as needed Notes	Day 5	**Chapter 11 Review**
Chapter 11 Test	all standards covered in chapter	Assess content taught in Chapter 11	Printed or online format	Day 6	Chapter 11 Test

4th 9 Weeks

(17 days total-additional days used for review and/or enrichment as needed at teacher discretion, standardized testing, and preparation for 7th grade)

Chapter 12

Chapter 12: Data Displays and Measures of Center Number of School Days: 9 days of instruction, 2 days of review, 1 days assessments, total 12 days
Chapter Vocabulary: dot plot, frequency, relative frequency, histogram, mean, median, mode, outlier, statistical question, data, attribute
Code for Indiana Standards: NS=Number Sense C=Computation AT= Algebraic Thinking G = Geometry M = Measurement and DS=Data Analysis and Statistics High Importance Moderate Importance Low Importance

Lesson	**Indiana Standard(s)** Academic Vocabulary	**Learning Targets and "I CAN" Statements**	**Resources/Activities**	**Pacing** (in school days)	**Assessments**
12.1 Recognize Statistical Questions	6.DS.1 6.DS.3 data statistical question	**Learning Objective**: Recognize statistical questions **Students:** I can identify and write a statistical question for a situation.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS	Day 1	**Checkmark questions:** pg. 651 numbers 1 and 3 **Homework:** pg. 653-654

			IXL: HH1 Notes		
12.2 Describe Data Collection	6.DS.4 attribute	**Learning Objective**: Describe a data set by stating what quantity was measured and how it was measured **Students:** I can describe how a data set was collected by stating what quantity was measured and how it was measured.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS Notes	Day 2	**Checkmark questions:** pg. 657 numbers 1 and 2 **Homework:** pg. 659-660
12.3 Dot Plots and Frequency Tables	6.DS.2 dot plot frequency relative frequency	**Learning Objective**: Use frequency tables and dot plots to organize data **Students:** I can make dot plots and frequency tables to organize and display data.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: GG3, GG4, GG8 Notes	Day 3	**Checkmark questions:** pg. 663 numbers 1 and 3 **Homework:** pg. 665-666
12.4 Histograms	6.DS.2 histogram	**Learning Objective**: Display data in histograms **Students:** I can make and interpret histograms to display data.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: GG14, GG15 Notes	Day 4	**Checkmark questions:** pg. 669 numbers 2 and 3 **Homework:** pg. 671-672
Midchapter check 12	6.DS.1 6.DS.4 6.DS.2		ALEKS IXL: Repeat from previous lessons as needed Notes	Day 5	Midchapter check 12
12.6 Measures of Center	6.DS.4 mean median mode	**Learning Objective**: Summarize a data set by using mean, median, and mode **Students:** I can summarize a data set using mean, median, and mode.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: HH2, HH3 Notes	Days 6 and 7	**Checkmark questions:** pg. 683 numbers 1 and 2 **Homework:** pg. 685-686
12.7 Effects of Outliers	6.DS.4 outlier	**Learning Objective**: Determine the effects of outliers on measures of center	Personal Math Trainer Math on the Spot Video Student Edition	Day 8	**Checkmark questions:** pg. 689 numbers 1 and 2

		Students: I can use dot plots to determine how an outlier affects measures of center.	Reteach and Enrich ALEKS IXL: HH9 Notes		**Homework:** pg. 691-692
12.8 Problem Solving: Data Displays	6.DS.2	**Learning Objective**: Solve problems involving data by using the strategy draw a diagram. **Students:** I can use the strategy draw a diagram to solve problems involving data by finding the frequency of each value or interval in the data set then making a dot plot or histogram	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: GG Notes	Day 9	**Checkmark questions:** pg. 695 numbers 1 and 2 **Homework:** pg. 697-698
Practice Test/Review	all standards covered in chapter		ALEKS IXL: Repeat any from previous lessons as needed Notes	Day 10 and 11	**Chapter 12 Review**
Chapter 12 Test	all standards covered in chapter	Assess content taught in Chapter 12	Printed or online format	Day 12	Chapter 12 Test

Chapter 13

Chapter 8: Variability and Data Distributions Number of School Days: 4 days instruction, 1 days assessment, total 5 days
Chapter Vocabulary: cluster, gap, box plot, lower quartile, upper quartile, 5-number summary, maximum, minimum, interquartile range
Code for Indiana Standards: NS=Number Sense C=Computation AT= Algebraic Thinking G = Geometry M = Measurement and DS=Data Analysis and Statistics High Importance Moderate Importance Low Importance

Lesson	**Indiana Standard(s)** Academic Vocabulary	**Learning Targets and "I CAN" Statements**	**Resources/Activities**	**Pacing** (in school days)	**Assessments**
13.1 Patterns in Data	6.DS.4 cluster gap	**Learning Objective**: Describe overall patterns in data, including clusters, peaks, gaps, and symmetry **Students:** I can analyze dot plots and histograms to describe overall patterns in a data set.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: HH10 Notes	Day 1	**Checkmark questions:** pg. 709 numbers 1 and 2 **Homework:** pg. 711-712

13.2 Box Plots	6.DS.2 box plot lower quartile upper quartile 5-number summary minimum maximum interquartile range	**Learning Objective**: Display data in box plots **Students:** I can generate a 5-number summary from a data set and display the information in a box plot.	Personal Math Trainer Math on the Spot Video Student Edition Reteach and Enrich ALEKS IXL: GG23 Notes	Days 2, 3, 4	**Checkmark questions:** pg. 715 numbers 2 and 3 **Homework:** pg. 717-718
Chapter 13 Test	all standards covered in chapter	Assess content taught in Chapter 13	Printed or online format	Day 5	Chapter 13 Test