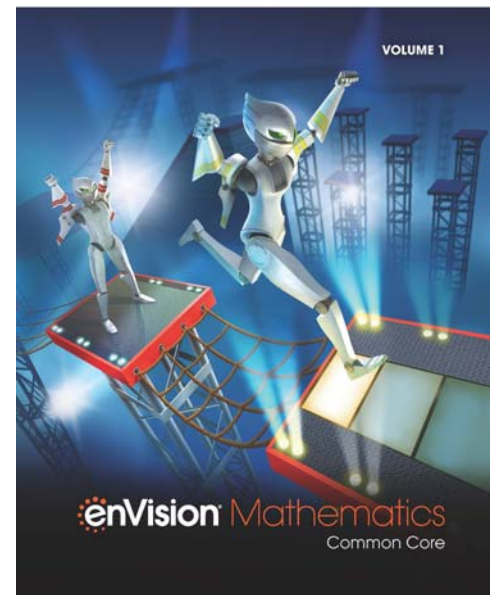
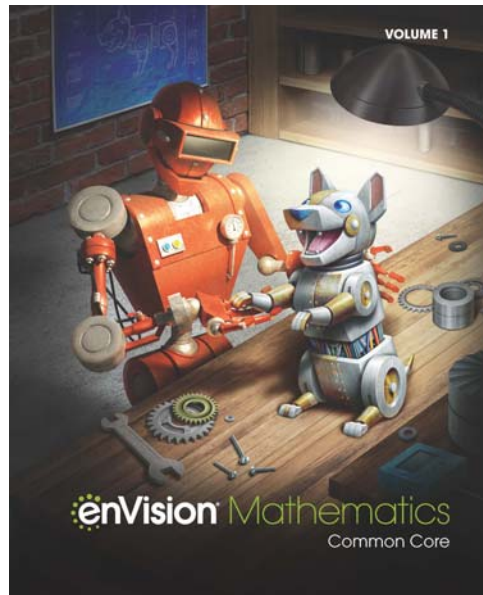
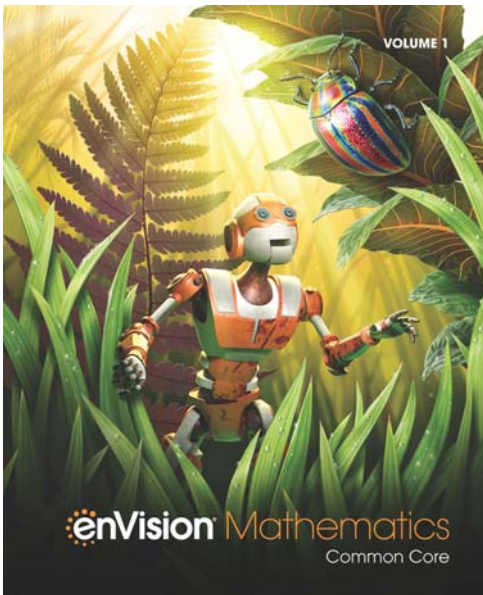


A Correlation of

enVision[®] Mathematics

©2021



to the

Nebraska's College and Career Ready Standards for Mathematics Grades 6-8

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Introduction

The new enVision® Mathematics ©2021 is the latest offering of the nationally recognized Grades K-12 series, created for print, digital, and blended instruction. Problem-Based Learning connects with Visual Learning to deep conceptual understanding. Interactive multimedia experiences engage learners in student choice and solving rich problems. Extensive customization and differentiation options empower every teacher and student.

UNDERSTANDING

A simple lesson design provides a clear, intentional pathway. Starting on a firm foundation of conceptual understanding, students can connect and apply math ideas in amazing ways. High-interest math projects invite all students to be active participants.

A simple lesson design provides a clear, intentional pathway.

STEP 1 Problem-Based Learning

STEP 2 Visual Learning

STEP 3 Assess and Differentiate

ASSESSMENT

The enVision Assessment Suite offers options to move students toward mastery of state standards while driving instructional differentiation.

DIAGNOSTIC Assessment

Reading Test, Diagnostic Test (Math Diagnosis and Intervention System), Review What You Know

FORMATIVE Assessment

SCOUT Observational Assessment used during Solve & Share, Do You Understand? And Convince Me! Guide Practice, Quick Check

SUMMATIVE Assessment

Topic Assessments, Topic Performance Assessments, Examview Test Generator, Fluency Assessments, Cumulative/Benchmarks Assessments, Progress Monitoring Assessments

INSTRUCTIONAL SUPPORT

Gain a new perspective on your teaching with embedded strategies, methods, and a wide range of Professional Development opportunities in print and digital formats.

Ideas, Inspiration, and Teaching Methods

Math background for every Topic and Lesson serves as an easy-to-access math methods course.

Make every lesson perfect for you. Access all digital content, assessments, and management tools at [SavvasRealize.com](https://www.savvasrealize.com).

Kids See the Math. Teachers See Results.

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Table of Contents

Grade 6.....	1
Grade 7.....	8
Grade 8.....	14

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska’s College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 6
MA 6.1 NUMBER: Students will communicate number sense concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	
MA.6.1.1 Numeric Relationships: Students will demonstrate, represent, and show relationships among fractions, decimals, percents, and integers within the base-ten number system.	
MA 6.1.1.a Determine common factors and common multiples using prime factorization of numbers with and without exponents.	SE: 129-136, 173-176 TE: 129A-136B
MA 6.1.1.b Represent non-negative whole numbers using exponential notation	SE: 123-128, 173-176 TE: 123A-128B, 173-176
MA 6.1.1.c Compare and order rational numbers both on the number line and not on the number line.	SE: 75-80, 111-114 TE: 75A-80B, 173-176
MA 6.1.1.d Convert among fractions, decimals, and percents using multiple representations.	SE: 347 – 352, 353 – 358, 389 - 392 TE: 347A-352B, 353A-358B, 389-392
MA 6.1.1.e Determine ratios from drawings, words, and manipulatives.	SE: 267 – 272, 273 – 278, 279 – 284, 285 – 290, 293 – 298, 333 - 338 TE: 267A-272B, 273A-278B, 279A-284B, 285A-290B, 293A-298B, 333-338
MA 6.1.1.f Explain and determine unit rates.	SE: 293 – 298, 305 – 310, 333 - 338 TE: 293A-298B, 305A-310B, 333-338
MA 6.1.1.g Model integers using drawings, words, manipulatives, number lines, and symbols.	SE: 69 – 74, 75 – 80, 111 - 114 TE: 69A-74B, 75A-80B, 111-114
MA 6.1.1.h Compare and order integers and absolute value both on the number line and not on the number line.	SE: 69 – 74, 75 – 80, 81 – 86, 111 - 114 TE: 69A-74B, 75A-80B, 81A-86B, 111-114
MA 6.1.1.i Determine absolute value of rational numbers.	SE: 81 – 86, 111 - 114 TE: 81A-86B, 111-114

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska's College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 6
MA 6.1.2 Operations: Students will compute with fractions and decimals accurately.	
MA 6.1.2.a Multiply and divide non-negative fractions and mixed numbers.	SE: 21 – 26, 39 – 44, 45 – 50, 57 - 60 TE: 21A – 26B, 39A – 44B, 45A – 50B, 57 - 60
MA 6.1.2.b Evaluate expressions with positive exponents.	SE: 123 – 128, 173 - 176 TE: 123A – 128B, 173 – 176
MA 6.1.2.c Divide multi-digit whole numbers using the standard algorithm.	SE: 15 – 20, 57 – 60 TE: 15A – 20B, 57 - 60
MA 6.1.2.d Add, subtract, multiply, and divide decimals using the standard algorithms.	SE: 9 -14, 15 – 20, 57 - 60 TE: 9A -14B, 15A – 20B, 57 – 60
MA 6.1.2.e Estimate and check reasonableness of answers using appropriate strategies and tools.	SE: 9 -14, 15 – 20, 45 – 50, 57 - 60 TE: 9A -14B, 15A – 20B, 45A – 50B, 57 – 60
MA 6.2 ALGEBRA: Students will communicate algebraic concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	
MA 6.2.1 Algebraic Relationships: Students will demonstrate, represent, and show relationships with expressions, equations, and inequalities.	
MA 6.2.1.a Create algebraic expressions (e.g., one operation, one variable as well as multiple operations, one variable) from word phrases.	SE: 145 – 150, 173 - 176 TE: 145A – 150B, 173 - 176
MA 6.2.1.b Recognize and generate equivalent algebraic expressions involving distributive property and combining like terms.	SE: 161 – 166, 173 - 176 TE: 161A – 166B, 173 – 176
MA 6.2.1.c Represent and analyze the relationship between two variables using graphs, tables, and one-step equations.	SE: 247 – 252, 253 - 258 TE: 247A – 252B, 253 – 258

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska’s College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 6
MA 6.2.2 Algebraic Processes: Students will apply the operational properties when evaluating expressions and solving expressions, equations, and inequalities.	
MA 6.2.2.a Simplify expressions using the distributive property and combining like terms.	SE: 167 – 172, 173 - 176 TE: 167A – 172B, 173 – 176
MA 6.2.2.b Use substitution to determine if a given value for a variable makes an equation or inequality true.	SE: 151 – 156, 161 – 166, 173 – 176, 225 – 230, 253 – 258 TE: 151A – 156B, 161A – 166B, 173 – 176, 225A – 230B, 253 – 258
MA 6.2.2.c Evaluate numerical expressions, including absolute value and exponents, with respect to order of operations.	SE: 123 – 128, 137 – 142, 173 - 176 TE: 123A – 128B, 137A – 142B, 173 - 176
MA 6.2.2.d Given the value of the variable, evaluate algebraic expressions (which may include absolute value) with respect to order of operations (non-negative rational numbers).	SE: 151 – 156, 173 - 176 TE: 151A – 156B, 173 - 176
MA 6.2.2.e Solve one-step equations with non-negative rational numbers using addition, subtraction, multiplication and division.	SE: 185 – 190, 191 – 196, 197 – 202, 203 – 208, 209 – 216, 253 - 258 TE: 185A – 190B, 191A – 196B, 197A – 202B, 203A – 208B, 209A – 216B, 253 – 258
MA 6.2.2.f Use equivalent ratios relating quantities with whole numbers to create a table. Find missing values in the table.	SE: 273 – 278, 333 - 338 TE: 273A – 278B, 333 – 338
MA 6.2.2.g Represent inequalities on a number line (e.g., graph $x > 3$).	SE: 219 – 224, 253 - 258 TE: 219A – 224B, 253 – 258

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska’s College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 6
MA 6.2.3 Applications: Students will solve real-world problems involving ratios, unit rates, and percents	
MA 6.2.3.a Write equations (e.g., one operation, one variable) to represent real-world problems involving non-negative rational numbers.	SE: 197 – 202, 203 – 208, 209 – 216, 253 – 258 TE: 197A – 202B, 203A – 208B, 209A – 216B, 253 – 258
MA 6.2.3.b Solve real-world problems involving non-negative rational numbers.	SE: 185 – 190, 191 – 196, 197 – 202, 203 – 208, 209 – 216, 253 – 258 TE: 185A – 190B, 191A – 196B, 197A – 202B, 203A – 208B, 209A – 216B, 253 – 258
MA 6.2.3.c Solve real-world problems involving percents of numbers.	SE: 373 – 378, 389 – 392 TE: 373A – 378B, 389 – 392
MA 6.2.3.d Solve real-world problems using ratios and unit rates	SE: 267 – 272, 293 – 298, 299 – 304, 305 – 310, 333 – 338 TE: 267A – 272B, 293A – 298B, 299A – 304B, 305A – 310B, 333 – 338
MA 6.3 GEOMETRY: Students will communicate geometric concepts and measurement concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	
MA 6.3.1 Characteristics: Students will identify and describe geometric characteristics and create two- and three-dimensional shapes	
MA 6.3.1.a Identify and create nets to represent two-dimensional drawings of prisms, pyramids, cylinders, and cones.	SE: 427 – 432, 455 – 460 TE: 427A – 432B, 455 – 460
MA 6.3.2 Coordinate Geometry: Students will determine location, orientation, and relationships on the coordinate plane	
MA 6.3.2.a Identify the ordered pair of a given point in the coordinate plane.	SE: 89 – 94, 111 – 114 TE: 89A – 94B, 111 – 114
MA 6.3.2.b Plot the location of an ordered pair in the coordinate plane.	SE: 89 – 94, 111 – 114 TE: 89A – 94B, 111 – 114

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska’s College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 6
MA 6.3.2.c Identify the quadrant of a given point in the coordinate plane.	SE: 89 – 94, 111 - 114 TE: 89A – 94B, 111 – 114
MA 6.3.2.d Draw polygons in the coordinate plane given coordinates for the vertices.	SE: 105 – 110, 111 - 114 TE: 105A – 110B, 111 – 114
MA 6.3.2.e Calculate vertical and horizontal distances in the coordinate plane to find perimeter and area	SE: 99 – 104, 111 - 114 TE: 99A – 104B, 111 – 114
MA 6.3.3 Measurement: Students will perform and compare measurements and apply formulas.	
MA 6.3.3.a Determine the area of quadrilaterals, including parallelograms, trapezoids, and triangles by composition and decomposition of polygons as well as application of formulas.	SE: 401 – 406, 407 – 412, 413 – 418, 419 – 424, 455 - 460 TE: 401A – 406B, 407A – 412B, 413A – 418B, 419A – 424B, 455 – 460
MA 6.3.3.b Determine the surface area of rectangular prisms and triangular prisms using nets.	SE: 437 – 442, 455 - 460 TE: 437A - 442B, 455 – 460
MA 6.3.3.c Apply volume formulas for rectangular prisms	SE: 449 – 454, 455 - 460 TE: 449A - 454B, 455 – 460
MA 6.4 DATA: Students will communicate data analysis/probability concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	
MA 6.4.1 Representations: Students will create displays that represent data.	
MA 6.4.1.a Represent data using line plots, dot plots, box plots, and histograms.	SE: 483 – 488, 489 – 494, 497 – 502, 519 - 522 TE: 483A - 488B, 489A - 494B, 497A - 502B, 519 – 522
MA 6.4.2 Analysis & Applications: Students will analyze data to address the situation.	
MA 6.4.2.a Solve problems using information presented in line plots, dot plots, box plots, and histograms.	SE: 469 – 474, 489 – 494, 497 – 502, 503 – 508, 509 – 514, 519 - 522 TE: 469A - 474B, 489A - 494B, 497A - 502B, 503A - 508B, 509A - 514B, 519 – 522

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska's College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 6
MA 6.4.2.b Compare and interpret data sets based upon their graphical representations (e.g., center, spread, and shape).	SE: 497 – 502, 519 - 522 TE: 497A - 502B, 519-522
MA 6.4.2.c Find and interpret the mean, median, mode, and range for a set of data.	SE: 475 – 482, 497 – 502, 503 – 508, 509 – 514, 519 - 522 TE: 475A - 482B, 497A - 502B, 503A - 508B, 509A - 514B, 519 – 522
MA 6.4.2.d Compare the mean, median, mode, and range from two sets of data.	SE: 475 – 482, 519 - 522 TE: 475A - 482B, 519 – 522
NEBRASKA MATHEMATICAL PROCESSES	
1. Solves mathematical problems. Through the use of appropriate academic and technical tools, students will make sense of mathematical problems and persevere in solving them. Students will draw upon their prior knowledge in order to employ critical thinking skills, reasoning skills, creativity, and innovative ability. Additionally, students will compute accurately and determine the reasonableness of solutions.	SE/TE: 20, 25, 27, 28, 43, 44, 49, 50, 54, 58, 73, 79, 80, 104, 109, 110, 133, 140, 141, 148, 154, 165, 172, 190, 196, 213, 215, 229, 231, 252, 272, 283, 296, 297, 298, 302, 320, 325, 331, 378, 384, 405, 406, 486, 487, 488, 513
2. Models and represents mathematical problems. Students will analyze relationships in order to create mathematical models given a real-world situation or scenario. Conversely, students will describe situations or scenarios given a mathematical model.	SE/TE: 44, 135, 142, 149, 155, 156, 164, 195, 201, 203, 204, 223, 230, 252, 288, 289, 290, 298, 304, 326, 378, 422, 448, 473, 486, 487, 488, 493, 494, 508, 514
3. Communicates mathematical ideas effectively. Students will communicate mathematical ideas effectively and precisely. Students will critique the reasoning of others as well as provide mathematical justifications. Students will utilize appropriate communication approaches individually and collectively and through multiple methods, including writing, speaking, and listening.	SE/TE: 20, 26, 37, 38, 43, 44, 54, 55, 72, 73, 78, 85, 92, 94, 108, 109, 126, 128, 113, 140, 142, 154, 156, 165, 166, 188, 196, 238, 239, 250, 272, 302, 308, 318, 324, 332, 364, 441, 448, 502

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska's College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 6
<p>4. Makes mathematical connections. Students will connect mathematical knowledge, ideas, and skills beyond the math classroom. This includes the connection of mathematical ideas to other topics within mathematics and to other content areas. Additionally, students will be able to describe the connection of mathematical knowledge and skills to their career interest as well as within authentic/real-world contexts.</p>	<p>SE/TE: 26, 50, 74, 80, 86, 93, 94, 104, 127, 128, 142, 155, 156, 190, 202, 215, 216, 239, 272, 277, 283, 298, 309, 310, 331, 357, 405, 482</p>

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska's College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 7
MA 7.1 NUMBER: Students will communicate number sense concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	
MA.7.1.1 Numeric Relationships: Students will demonstrate, represent, and show relationships among rational numbers within the base-ten number system.	
No additional indicator(s) at this level. Mastery is expected at previous grade levels.	
MA 7.1.2 Operations: Students will compute with rational numbers accurate	
MA 7.1.2.a Solve problems using proportions and ratios (e.g., cross products, percents, tables, equations, and graphs).	<p>SE: 89 – 94, 95 – 100, 101 – 106, 107 – 112, 119 – 124, 125 – 130, 131 – 134, 143 – 148, 149 – 154, 155 – 160, 163 – 168, 185 – 188, 431 – 436, 493 – 498</p> <p>TE: 89A - 94B, 95A - 100B, 101A - 106B, 107A - 112B, 119A - 124B, 125A - 130B, 131 – 134, 143A - 143B, 149A - 154B, 155A - 160B, 163A - 168B, 185 – 188, 431A - 436B, 493 – 498</p>
MA 7.1.2.b Add, subtract, multiply, and divide rational numbers (e.g., positive and negative fractions, decimals, and integers).	<p>SE: 21 – 26, 27 – 32, 33 – 38, 41 – 46, 47 – 52, 53 – 58, 75 – 80</p> <p>TE: 21A - 26B, 27A - 32B, 33A - 38B, 41A - 46B, 47A - 52B, 53A - 58B, 75 – 80</p>
MA 7.1.2.c Apply properties of operations as strategies for problem solving with rational numbers.	<p>SE: 33 – 38, 65 – 70, 75 – 80</p> <p>TE: 33A - 38B, 65A - 70B, 75 – 80</p>
MA 7.1.2.d Use multiple strategies to add, subtract, multiply, and divide integers.	<p>SE: 21 – 26, 27 – 32, 41 – 46, 53 – 58, 75 – 80</p> <p>TE: 21A - 26B, 27A - 32B, 41A - 46B, 53A - 58B, 75 – 80</p>
MA 7.1.2.e Estimate and check reasonableness of answers using appropriate strategies and tools.	<p>SE: 21 – 26, 27 – 32, 33 – 38, 41 – 46, 47 – 52, 53 – 58, 59 – 64, 75 - 80</p> <p>TE: 21A - 26B, 27A - 32B, 33A - 38B, 41A - 46B, 47A - 52B, 53A - 58B, 59A - 64B, 75 – 80</p>

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska's College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 7
MA 7.2 ALGEBRA: Students will communicate algebraic concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	
MA 7.2.1 Algebraic Relationships: Students will demonstrate, represent, and show relationships with expressions, equations, and inequalities.	
MA 7.2.1.a Describe and create an inequality from words and pictures (e.g., one-step, one-variable).	SE: 283 – 288, 289 – 294, 311 – 314 TE: 283A - 288B, 289A - 294B, 311 – 314
MA 7.2.1.b Represent real-world situations with proportions.	SE: 101 – 106, 107 – 112, 119 – 124, 125 – 130, 131 - 134 TE: 101A - 106B, 107A - 112B, 119A - 124B, 125A - 130B, 131 – 134
MA 7.2.2 Algebraic Processes: Students will apply the operational properties when evaluating expressions, and solving equations and inequalities.	
MA 7.2.2.a Solve equations using the distributive property and combining like terms.	SE: 275 – 280, 311 - 314 TE: 275A - 280B, 311 – 314
MA 7.2.2.b Use factoring and properties of operations to create equivalent algebraic expressions (e.g., $2x + 6 = 2(x + 3)$).	SE: 203 – 208, 221 – 226, 245 – 250, 251 - 254 TE: 203A - 208B, 221A - 226B, 245A - 250B, 251 – 254
MA 7.2.2.c Given the value of the variable(s), evaluate algebraic expressions (including absolute value).	SE: 197 – 202, 251 - 254 TE: 197A - 202B, 251 – 254
MA 7.2.2.d Solve two-step equations involving rational numbers which include the integers.	SE: 269 – 274, 311 - 314 TE: 269A - 274B, 311 – 314
MA 7.2.2.e Solve one-step inequalities involving integers and rational numbers and represent solutions on a number line.	SE: 283 – 288, 289 – 294, 311 - 314 TE: 283A - 288B, 289A - 294B, 311 – 314
MA 7.2.3 Applications: Students will solve real-world problems involving expressions, equations, and inequalities.	
MA 7.2.3.a Describe and write linear equations from words and tables.	SE: 263 – 268, 311 - 314 TE: 263A - 263B, 311 – 314

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska’s College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 7
MA 7.2.3.b Write a two-step equation to represent real-world problems involving rational numbers in any form.	SE: 263 – 268, 311 - 314 TE: 263A - 263B, 311 – 314
MA 7.2.3.c Solve real-world problems with equations that involve rational numbers in any form.	SE: 263 – 268, 269 – 274, 275 – 280, 311 - 314 TE: 263A - 263B, 269A - 274B, 275A - 280B, 311 – 314
MA 7.2.3.d Solve real-world problems with inequalities.	SE: 283 – 288, 289 – 294, 299 – 304, 305 – 310, 311 – 314 TE: 283A - 288B, 289A - 294B, 299A - 304B, 305A - 310B, 311 – 314
MA 7.2.3.e Use proportional relationships to solve real-world problems, including percent problems, (e.g., % increase, % decrease, mark-up, tip, simple interest).	SE: 149 – 154, 163 – 168, 173 – 178, 179 – 184, 185 - 188 TE: 149A - 154B, 163A - 168B, 173A - 178B, 179A - 184B, 185 – 188
MA 7.2.3.f Solve real-world problems involving scale drawings using a proportional relationship.	SE: 431 – 436, 493 - 498 TE: 431A - 436B, 493 – 498
MA 7.3 GEOMETRY: Students will communicate geometric concepts and measurement concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	
MA 7.3.1 Characteristics: Students will identify and describe geometric characteristics of two-dimensional shapes.	
MA 7.3.1.a Apply and use properties of adjacent, complementary, supplementary, and vertical angles to find missing angle measures.	SE: 451 – 456, 493 - 498 TE: 451A - 456B, 493 – 498
MA 7.3.1.b Draw triangles (freehand using a ruler and a protractor, and using technology) with given conditions of three measures of angles or sides, and notice when the conditions determine a unique triangle, more than one triangle, or no triangle.	SE: 443 – 450, 493 - 498 TE: 443A - 450B, 493 – 498

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska’s College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 7
MA 7.3.2 Coordinate Geometry: Students will determine location, orientation, and relationships on the coordinate plane.	
No additional indicator(s) at this level. Mastery is expected at previous grade levels.	
MA 7.3.3 Measurement: Students will perform and compare measurements and apply formulas.	
MA 7.3.3.a Solve real-world problems involving perimeter and area of composite shapes made from triangles, quadrilaterals and polygons.	For supporting content, please see: SE: 481 – 486, 493 – 498 TE: 481A - 486B, 493 – 498
MA 7.3.3.b Solve real-world problems involving surface area and volume of composite shapes made from rectangular and triangular prisms.	SE: 481 – 486, 487 – 492, 493 – 498 TE: 481A - 486B, 487A - 492B, 493 – 498
MA 7.3.3.c Determine the area and circumference of circles both on and off the coordinate plane.	SE: 457 – 462, 465 – 470, 493 - 498 TE: 457A - 462B, 465A - 470B, 493 – 498
MA 7.4 DATA: Students will communicate data analysis/probability concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	
MA 7.4.1 Representations: Students will create displays that represent data.	
MA 7.4.1.a Represent data using circle graphs.	This standard is outside the scope of enVision, ©2021.
MA 7.4.2 Analysis & Applications: Students will analyze data to address the situation.	
MA 7.4.2.a Solve problems using information presented in circle graphs.	This standard is outside the scope of enVision, ©2021.
MA 7.4.2.b Explain the difference between a population and a sample.	SE: 323 – 330, 357 - 360 TE: 323A - 330B, 357 – 360
MA 7.4.2.c Generate conclusions about a population based upon a random sample.	SE: 323 – 330, 331 – 338, 357 - 360 TE: 323A - 330B, 331A - 338B, 357 – 360
MA 7.4.3 Probability: Students will interpret and apply concepts of probability.	
MA 7.4.3.a Generate a list of possible outcomes for a simple event.	SE: 399 – 404, 405 – 410, 417 - 422 TE: 399A - 404B, 405A - 410B, 417 – 422

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska's College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 7
MA 7.4.3.b Describe the theoretical probability of an event using a fraction, percentage, and decimal.	SE: 375 – 380, 417 - 422 TE: 375A - 380B, 417 – 422
MA 7.4.3.c Find theoretical probabilities for independent events.	SE: 369 – 374, 375 – 380, 417 - 422 TE: 369A - 374B, 375A - 380B, 417 - 422
MA 7.4.3.d Perform simple experiments and express the degree of likelihood (possible, impossible, certain, more likely, equally likely, or less likely); write as fractions and percentages.	SE: 381 – 386, 387 – 392, 417 - 422 TE: 381A - 386B, 387A - 392B, 417 – 422
MA 7.4.3.e Find experimental probability for independent events.	SE: 381 – 386, 387 – 392, 417 - 422 TE: 381A - 386B, 387A - 392B, 417 – 422
MA 7.4.3.f Compare and contrast theoretical and experimental probabilities.	SE: 375 – 380, 417 - 422 TE: 375A - 380B, 417 – 422
MA 7.4.3.g Find the probability of dependent compound events.	SE: 399 – 404, 405 – 410, 411 – 416, 417 - 422 TE: 399A - 404B, 405A - 410B, 411A - 416B, 417 – 422
MA 7.4.3.h Identify complementary events and calculate their probabilities	This standard is outside the scope of enVision, ©2021.
NEBRASKA MATHEMATICAL PROCESSES	
<p>1. Solves mathematical problems. Through the use of appropriate academic and technical tools, students will make sense of mathematical problems and persevere in solving them. Students will draw upon their prior knowledge in order to employ critical thinking skills, reasoning skills, creativity, and innovative ability. Additionally, students will compute accurately and determine the reasonableness of solutions.</p>	SE/TE: 12, 14, 18, 20, 25, 30, 31, 37, 45, 46, 51, 56, 68, 93, 105, 106, 128, 130, 152, 159, 160, 168, 178, 182, 212, 218, 236, 243, 286, 287, 288, 292, 293, 294, 329, 378, 379, 391, 440, 447, 454, 455, 480, 490

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska’s College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 7
<p>2. Models and represents mathematical problems. Students will analyze relationships in order to create mathematical models given a real-world situation or scenario. Conversely, students will describe situations or scenarios given a mathematical model.</p>	<p>SE/TE: 12, 25, 26, 30, 38, 50, 63, 70, 93, 111, 122, 160, 201, 225, 272, 273, 274, 286, 287, 288, 292, 293, 294, 308, 374, 402, 410, 440, 441, 442, 447, 480</p>
<p>3. Communicates mathematical ideas effectively. Students will communicate mathematical ideas effectively and precisely. Students will critique the reasoning of others as well as provide mathematical justifications. Students will utilize appropriate communication approaches individually and collectively and through multiple methods, including writing, speaking, and listening.</p>	<p>SE/TE: 12, 13, 26, 30, 31, 36, 37, 45, 56, 68, 98, 105, 112, 122, 129, 146, 152, 154, 158, 166, 183, 184, 214, 244, 292, 309, 327, 336, 337, 350, 372, 378, 384, 440, 460, 480</p>
<p>4. Makes mathematical connections. Students will connect mathematical knowledge, ideas, and skills beyond the math classroom. This includes the connection of mathematical ideas to other topics within mathematics and to other content areas. Additionally, students will be able to describe the connection of mathematical knowledge and skills to their career interest as well as within authentic/real-world contexts.</p>	<p>SE/TE: 12, 25, 26, 37, 38, 46, 63, 64, 69, 70, 93, 94, 100, 129, 147, 160, 177, 178, 183, 184, 208, 217, 220, 324, 415, 435, 455, 461</p>

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska's College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 8
MA 8.1 NUMBER: Students will communicate number sense concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	
MA.8.1.1 Numeric Relationships: Students will demonstrate, represent, and show relationships among real numbers within the base-ten number system.	
MA 8.1.1.a Determine subsets of numbers as natural, whole, integer, rational, irrational, or real, based on the definitions of these sets of numbers.	SE: 15 – 20, 75 - 80 TE: 15A - 20B, 75 – 80
MA 8.1.1.b Represent numbers with positive and negative exponents and in scientific notation.	SE: 41 – 46, 47 – 52, 53 – 58, 59 – 64, 75 – 80 TE: 41A - 46B, 47A - 52B, 53A - 58B, 59A - 64B, 75 – 80
MA 8.1.1.c Describe the difference between a rational and irrational number.	SE: 15 – 20, 75 - 80 TE: 15A - 20B, 75 – 80
MA 8.1.1.d Approximate, compare, and order real numbers (both rational and irrational) and order real numbers both off and on the number line.	SE: 21 – 26, 75 - 80 TE: 21A - 26B, 75 – 80
MA 8.1.2 Operations: Students will compute with exponents and roots	
MA 8.1.2.a Evaluate the square roots of perfect squares less than or equal to 400 and cube roots of perfect cubes less than or equal to 125.	SE: 27 – 32, 75 - 80 TE: 27A - 32B, 75 – 80
MA 8.1.2.b Simplify numerical expressions involving exponents and roots (e.g., $4(-2)$ is the same as $1/16$).	SE: 41 – 46, 47 – 52, 75 - 80 TE: 41A - 46B, 47A - 52B, 75 – 80
MA 8.1.2.c Simplify numerical expressions involving absolute value.	Absolute value is addressed in the enVision Grade 7. Please see: SE/TE: 22-24, 28-30, 35
MA 8.1.2.d Multiply and divide numbers using scientific notation.	SE: 69 – 74, 75 - 80 TE: 69A - 74B, 75 – 80

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska’s College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 8
MA 8.1.2.e Estimate and check reasonableness of answers using appropriate strategies and tools.	SE: 21 – 26, 27 – 32, 41 – 46, 75 – 80 TE: 21A - 26B, 27A - 32B, 41A - 46B, 75 – 80
MA 8.2 ALGEBRA: Students will communicate algebraic concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	
MA 8.2.1 Algebraic Relationships: Students will demonstrate, represent, and show relationships with expressions, equations, and inequalities.	
MA 8.2.1.a Create algebraic expressions, equations, and inequalities (e.g., two-step, one variable) from word phrases, tables, and pictures.	SE: 89 – 94, 95 – 100, 101 – 106, 107 – 114, 151 - 156 TE: 89A - 94B, 95A - 100B, 101A - 106B, 107A - 114B, 151 – 156 Greater coverage of algebraic expressions and inequalities is addressed in the enVision Grade 7. Please see: SE/TE: 198-200, 300-302
MA 8.2.1.b Determine and describe the rate of change for given situations through the use of tables and graphs.	SE: 171 – 176, 177 – 182, 189 – 194, 207 – 210 TE: 171A - 176B, 177A - 182B, 189A - 194B, 207 – 210
MA 8.2.1.c Describe equations and linear graphs as having one solution, no solution, or infinitely many solutions.	SE: 89 – 94, 95 – 100, 101 – 106, 107 – 114, 151 - 156 TE: 89A - 94B, 95A - 100B, 101A - 106B, 107A - 114B, 151 – 156
MA 8.2.1.d Graph proportional relationships and interpret the slope.	SE: 121 – 126, 127 – 132, 151 – 156 TE: 121A - 126B, 127A - 132B, 151 – 156
MA 8.2.2 Algebraic Processes: Students will apply the operational properties when evaluating expressions and solving expressions, equations, and inequalities.	
MA 8.2.2.a Solve multi-step equations involving rational numbers with the same variable appearing on both sides of the equal sign.	SE: 101 – 106, 151 - 156 TE: 101A - 106B, 151 – 156

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska’s College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 8
MA 8.2.2.b Solve two-step inequalities involving rational numbers and represent solutions on a number line.	Two-step inequalities are addressed in the enVision Grade 7. Please see: SE/TE: 300-302
MA 8.2.3 Applications: Students will solve real-world problems involving multi-step equations and multi-step inequalities.	
MA 8.2.3.a Describe and write equations from words, patterns, and tables.	SE: 95 – 100, 133 – 138, 145 – 150, 151 - 156 TE: 95A - 100B, 133A - 138B, 145A - 150B, 151 – 156
MA 8.2.3.b Write a multi-step equation to represent real-world problems using rational numbers in any form.	SE: 117-120 TE: 117A-120
MA 8.2.3.c Solve real-world multi-step problems involving rational numbers in any form.	SE: 101 – 106, 151 – 156 TE: 101A - 106B, 151 – 156 Multi-step inequalities are addressed in the enVision Grade 7. Please see: SE/TE: 306-308
MA 8.3 GEOMETRY: Students will communicate geometric concepts and measurement concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	
MA 8.3.1 Characteristics: Students will identify and describe geometric characteristics of two- dimensional shapes.	
MA 8.3.1.a Determine and use the relationships of the interior angles of a triangle to solve for missing measures.	SE: 365 – 370, 377 - 382 TE: 365A - 370B, 377 - 382
MA 8.3.1.b Identify and apply geometric properties of parallel lines cut by a transversal and the resulting corresponding, alternate interior, and alternate exterior angles to find missing measures.	SE: 357 – 364, 377 - 382 TE: 357A - 364B, 377 – 382

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska's College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 8
MA 8.3.2 Coordinate Geometry: Students will determine location, orientation, and relationships on the coordinate plane.	
MA 8.3.2.a Perform and describe positions and orientation of shapes under single transformations including rotations (in multiples of 90 degrees about the origin), translations, reflections, and dilations on and off the coordinate plane.	SE: 309 – 314, 315 – 320, 321 – 326, 345 – 350, 377 - 382 TE: 309A - 314B, 315A - 320B, 321A - 326B, 345A - 350B, 377 – 382
MA 8.3.2.b Find congruent two-dimensional figures and define congruence in terms of a series of transformations.	SE: 337 – 342, 377 - 382 TE: 337A - 342B, 377 – 382
MA 8.3.2.c Find similar two-dimensional figures and define similarity in terms of a series of transformations.	SE: 351 – 356, 377 - 382 TE: 351A - 356B, 377 – 382
MA 8.3.3 Measurement: Students will perform and compare measurements and apply formulas.	
MA 8.3.3.a Explain a model of the Pythagorean Theorem.	SE: 395 – 400, 421 - 424 TE: 395A - 400B, 421 – 424
MA 8.3.3.b Apply the Pythagorean Theorem to find side lengths of triangles and to solve real-world problems.	SE: 409 – 414, 421 - 424 TE: 409A - 414B, 421 – 424
MA 8.3.3.c Find the distance between any two points on the coordinate plane using the Pythagorean Theorem.	SE: 415 – 420, 421 - 424 TE: 415A - 420B, 421 – 424
MA 8.3.3.d Determine the volume of cones, cylinders, and spheres, and solve real-world problems using volumes.	SE: 439 – 444, 447 – 452, 453 – 458, 463 - 466 TE: 439A - 444B, 447A - 452B, 453A - 458B, 463 – 466

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska's College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 8
MA 8.4 DATA: Students will communicate data analysis/probability concepts using multiple representations to reason, solve problems, and make connections within mathematics and across disciplines.	
MA 8.4.1 Representations: Students will create displays that represent data.	
MA 8.4.1.a Represent bivariate data (i.e. ordered pairs) using scatter plots.	SE: 219 – 224, 255 - 258 TE: 219A - 224B, 255 – 258
MA 8.4.2 Analysis & Applications: Students will analyze data to address the situation.	
MA 8.4.2.a Solve problems and make predictions using an approximate line of best fit.	SE: 225 – 230, 231 – 236, 255 - 258 TE: 225A - 230B, 231A - 236B, 255 - 258
MA 8.4.3 Probability: Students will interpret and apply concepts of probability.	
No additional indicator(s) at this level. Mastery is expected at previous grade levels.	
NEBRASKA MATHEMATICAL PROCESSES	
1. Solves mathematical problems. Through the use of appropriate academic and technical tools, students will make sense of mathematical problems and persevere in solving them. Students will draw upon their prior knowledge in order to employ critical thinking skills, reasoning skills, creativity, and innovative ability. Additionally, students will compute accurately and determine the reasonableness of solutions.	SE/TE: 12, 25, 31, 36, 56, 57, 92, 93, 94, 126, 144, 148, 150, 174, 175, 176, 204, 205, 206, 235, 243, 286, 312, 354, 355, 356, 361, 362, 363, 364, 368, 369, 370, 374, 375, 376, 399, 400, 404, 405, 406, 419, 436, 437, 438, 442, 443, 444, 450, 451, 452, 456, 457, 458
2. Models and represents mathematical problems. Students will analyze relationships in order to create mathematical models given a real-world situation or scenario. Conversely, students will describe situations or scenarios given a mathematical model.	SE/TE: 26, 46, 94, 98, 99, 125, 137, 138, 143, 148, 149, 168, 174, 175, 176, 193, 204, 205, 206, 222, 223, 242, 276, 277, 278, 292, 312, 313, 318, 319, 320, 331, 341, 342, 349, 354, 355, 356, 406, 418

**A Correlation of enVision, ©2021
to the Nebraska College and Career Ready Standards for Mathematics**

Nebraska's College and Career Ready Standards for Mathematics	enVision, ©2021 Grade 8
<p>3. Communicates mathematical ideas effectively. Students will communicate mathematical ideas effectively and precisely. Students will critique the reasoning of others as well as provide mathematical justifications. Students will utilize appropriate communication approaches individually and collectively and through multiple methods, including writing, speaking, and listening.</p>	<p>SE/TE: 14, 18, 19, 20, 24, 30, 32, 36, 38, 46, 50, 51, 56, 58, 62, 73, 74, 98, 104, 111, 113, 130, 132, 137, 150, 169, 174, 180, 193, 200, 224, 228, 248, 271, 276, 284, 286, 290, 319, 324, 340, 349, 374, 375, 398, 419, 421, 437</p>
<p>4. Makes mathematical connections. Students will connect mathematical knowledge, ideas, and skills beyond the math classroom. This includes the connection of mathematical ideas to other topics within mathematics and to other content areas. Additionally, students will be able to describe the connection of mathematical knowledge and skills to their career interest as well as within authentic/real-world contexts.</p>	<p>SE/TE: 14, 32, 46, 62, 64, 72, 74, 93, 100, 126, 150, 176, 193, 194, 200, 206, 286, 292, 349, 356, 369, 375, 400, 405, 412, 414, 419, 443, 451, 457</p>