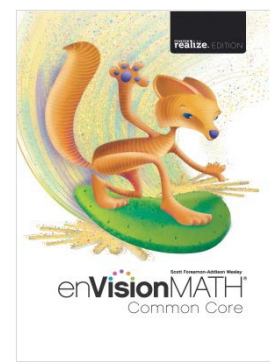
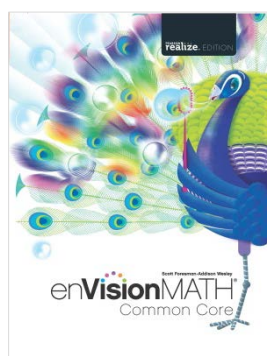
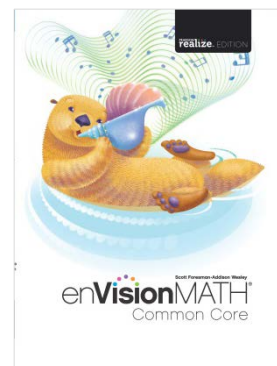
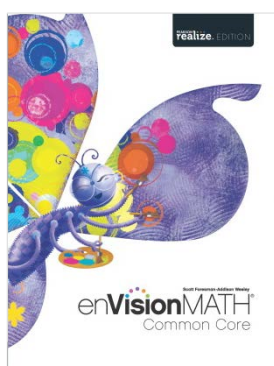
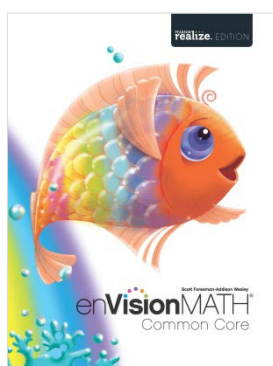


A Correlation of



©2015



to the

Pennsylvania Common Core Standards for Mathematics Grades K-6

**A Correlation of *enVisionMATH Common Core* to the
Pennsylvania Common Core Standards for Mathematics**

Introduction

This document demonstrates how *enVisionMATH Common Core*, Realize Edition ©2015 meets the standards of the Pennsylvania Common Core Standards for Mathematics, Grades K-6. Correlation page references are to the Student and Teacher's Edition. Lessons in the Teacher's Edition include facsimile pages of the Student Edition.

enVisionMATH Common Core, Realize Edition demonstrates the careful development of deep understanding that is a hallmark of enVisionMATH. Deep understanding empowers your learners to achieve the level of rigor required by the Common Core State Standards.

Have confidence that enVisionMATH Common Core, Realize Edition is fully aligned to the Common Core. Lessons have been aligned and developed to support the Common Core Standards at a depth that competitors do not match.

The ease of navigating the new Realize platform will let you spend more time actually teaching math because you'll have all your resources at your fingertips. Data is easier use and progress easier to track than ever on the Realize platform allowing you to make informed decisions to ensure your students success.

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

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**A Correlation of *enVisionMATH* Common Core
to the Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Kindergarten</p>	<p style="text-align: center;">enVisionMATH Common Core Kindergarten</p>
<p>Standards of Mathematical Practices</p>	
<p>Make sense of problems and persevere in solving them.</p>	<p><i>enVisionMATH Common Core, Realize Edition</i> is built on a foundation of problem-based instruction that has sense-making at its heart. Each topic includes at least one problem-solving lesson in which students focus on honing their sense-making and problem-solving skills. The problem-solving lessons present to students a process that begins with making sense of the problem. <i>Read and Understand</i>, the first phase of the process, has students ask themselves, <i>What am I trying to find?</i> and <i>What do I know?</i>, questions that will help identify the givens and constraints of the problem. In the second phase, <i>Plan and Solve</i>, students decide on a solution plan. In the final phase, <i>Look Back and Check</i>, students verify that their work is reasonable and reflects the information given. Each lesson begins with Problem-Based Interactive Learning, an activity in which students interact with their peers and teachers to make sense of and decide on a workable solution for a real-world situation. Another feature of each lesson is the set of problem-solving exercises in which students persevere by applying different skills and strategies to solve problems. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP1 animation walks students through making sense of problems and persevering in solving them, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the KINDERGARTEN program, please see examples: SE/TE: Topic 1: 20; Topic 2: 23,33; Topic 5: 103; Topic 7: 131, 135; Topic 8: 149, 161; Topic 9: 171; Topic 13: 245, 249, 253</p> <p>TE: Topic 1: 1D, 1F, 1I, 1J; Topic 7: 128B; Topic 10: 200B; Topic 13: 252B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p align="center">Pennsylvania Common Core Standards Kindergarten</p>	<p align="center">enVisionMATH Common Core Kindergarten</p>
<p>Reason abstractly and quantitatively.</p>	<p><i>enVisionMATH Common Core, Realize Edition</i> provides scaffolded instruction to help students develop both quantitative and abstract reasoning. In the Visual Learning Bridge, students can see how to represent a given situation numerically or algebraically. They will have opportunities later in the lesson to reason abstractly as they endeavor to represent situations symbolically. Reasonableness exercises remind students to compare their work to the original situation. In the Do You Understand? part of the Guided Practice, students gain experiences with quantitative reasoning as they consider the meaning of different parts of an expression or equation. Reasoning problems throughout the exercise sets focus students' attention on the structure or meaning of an operation, for example, rather than merely the solution. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP2 animation walks students through reasoning abstractly and quantitatively, showing students how to understand, apply, and connect this Mathematical Practice to lessons.</p> <p>Located throughout the KINDERGARTEN program, please see examples:</p> <p>SE/TE: Topic 1: 9, 11; Topic 2: 25, 27; Topic 3: 49, 51; Topic 4: 67, 73; Topic 8: 153; Topic 9: 175; Topic 11: 209, 220; Topic 12: 225; Topic 13: 262</p> <p>TE: Topic 5: 94B, 96B; Topic 6: 114B Topic 8: 145B; Topic 9: 174B; Topic 10: 191B, 194B; Topic 12: 221B; Topic 14: 272B, 274B; Topic 15: 285B; Topic 16: 310B, 312B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p align="center">Pennsylvania Common Core Standards Kindergarten</p>	<p align="center">enVisionMATH Common Core Kindergarten</p>
<p>Construct viable arguments and critique the reasoning of others.</p>	<p>Consistent with a focus on reasoning and sense-making is a focus on critical reasoning – argumentation and critique of arguments. In Pearson's <i>enVisionMATH Common Core, Realize Edition</i>, the Problem-Based Interactive Learning affords students opportunities to share with classmates their thinking about problems, their solution methods, and their reasoning about the solutions. Many exercises found throughout the program specifically call for students to use reasoning and to justify or explain their solutions. Journal activities in Grades K–2 and Writing to Explain exercises in Grades 3–6 help students develop foundational critical reasoning skills by having them construct explanations for processes. The ability to articulate a clear explanation for a process is a stepping stone to critical analysis and reasoning of both the student's own processes and those of others. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP3 animation walks students through constructing viable arguments and critiquing the reasoning of others, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the KINDERGARTEN program, please see examples:</p> <p>SE/TE: Topic 1: 7; Topic 2: 23; Topic 3: 48, 57, 59; Topic 4: 69, 70; Topic 5: 103; Topic 6: 113; Topic 7: 131, 139; Topic 8: 149, 157; Topic 9: 171, 175; Topic 11: 211</p> <p>TE: Topic 2: 24A, 24C; Topic 4: 70A; Topic 5: 94A</p>

**A Correlation of *enVisionMATH* Common Core to the
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<p align="center">Pennsylvania Common Core Standards Kindergarten</p>	<p align="center">enVisionMATH Common Core Kindergarten</p>
<p>Model with mathematics.</p>	<p>Students in Pearson's <i>enVisionMATH Common Core, Realize Edition</i> are introduced to mathematical modeling in the early grades. They first use manipulatives and drawings and then equations to model addition and subtraction situations. The Visual Learning Bridge and Visual Learning Animation often present real-world situations, and students are shown how these can be modeled mathematically. In later grades, students expand their modeling skills to include representations such as tables and graphs, as well as equations. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP4 animation walks students through modeling with mathematics, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the KINDERGARTEN program, please see examples:</p> <p>SE/TE: Topic 1: 3; Topic 3: 47; Topic 4: 71; Topic 5: 97, 99; Topic 7: 133, 144; Topic 9: 169, 173; Topic 13: 247</p> <p>TE: Topic 1: 10B; Topic 2: 21B; Topic 3: 48B; Topic 4: 78B; Topic 8: 150B, 154B; Topic 11: 205B, 208B; Topic 13: 243B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Kindergarten	enVisionMATH Common Core Kindergarten
<p>Use appropriate tools strategically.</p>	<p>Students become fluent in the use of a wide assortment of tools ranging from physical objects, including manipulatives, rulers, protractors, and even pencil and paper, to digital tools, such as Math Tools, calculators, and computers. As students become more familiar with the tools available to them, they are able to begin making decisions about which tools are most helpful in a particular situation. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP5 animation walks students through using appropriate tools strategically, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the KINDERGARTEN program, please see examples:</p> <p>SE/TE: Topic 4: 83; Topic 5: 93,95; Topic 6: 111; Topic 7: 127; Topic 8: 147; Topic 9: 181; Topic 10: 193, 195; Topic 11: 207; Topic 12: 223; Topic 13: 251; Topic 14: 267, 271; Topic 15: 287; Topic 16: 309</p> <p>TE: Topic 1: 6B, 8B; Topic 2: 21B, 24B; Topic 3: 50B; Topic 4: 68B; Topic 6: 112B; Topic 7: 125B; Topic 8: 145B; Topic 11: 205B; Topic 12: 224B; Topic 15: 285B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p align="center">Pennsylvania Common Core Standards Kindergarten</p>	<p align="center">enVisionMATH Common Core Kindergarten</p>
<p>Attend to precision.</p>	<p>Students are expected to use mathematical terms and symbols with precision. Key terms and concepts are highlighted in each lesson. The Problem-Based Interactive Learning activity provides repeated opportunities for children to use precise language to explain their solution paths while solving problems. In the Do You Understand? feature, students revisit these key terms or concepts and provide explicit definitions or explanations. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP6 animation walks students through attending to precision, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the KINDERGARTEN program, please see examples:</p> <p>SE/TE: Topic 1: 5; Topic 15: 289</p> <p>TE: Topic 1: 16B; Topic 2: 36B; Topic 3: 45B, 45D; Topic 4: 65D, 70B; Topic 5: 91D; Topic 6: 109D; Topic 7: 125B, 125D; Topic 8: 145D; Topic 9: 167D, 170B; Topic 10: 191D, 196B; Topic 11: 205D; Topic 12: 221D; Topic 13: 243D; Topic 14: 263B, 263D; Topic 15: 285D; Topic 16: 301B, 301D</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p align="center">Pennsylvania Common Core Standards Kindergarten</p>	<p align="center">enVisionMATH Common Core Kindergarten</p>
<p>Look for and make use of structure.</p>	<p>Students are encouraged to look for structure as they develop solution plans. In the Look for a Pattern problem-solving lessons, children in the early years develop a sense of patterning with visual and physical objects. As students mature in their mathematical thinking, they look for structure in numerical operations by focusing on place value and properties of operations. This focus on looking for and recognizing structure enables students to draw from patterns as they formalize their thinking about the structure of operations. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP7 animation walks students through looking for and making use of structure, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the KINDERGARTEN program, please see examples:</p> <p>SE/TE: Topic 3: 59; Topic 16: 303</p> <p>TE: Topic 1: 4B, 12B; Topic 2: 21D; Topic 3: 45D; Topic 4: 65D; Topic 5: 91D; Topic 6: 109D, 120B; Topic 7: 125D; Topic 8: 145D; Topic 9: 167A, 167D; Topic 10: 191A, 191D; Topic 11: 205D; Topic 12: 221D; Topic 13: 243A, 243D; Topic 14: 263B, 263D; Topic 16: 301D</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p align="center">Pennsylvania Common Core Standards Kindergarten</p>	<p align="center">enVisionMATH Common Core Kindergarten</p>
<p>Look for and express regularity in repeated reasoning.</p>	<p>Students are prompted to look for repetition in computations to help them develop shortcuts and become more efficient problem solvers. Students are reminded to think about problems they have encountered previously that may share features or processes. They are encouraged to draw on the solution plan developed for such problems, and as their mathematical thinking matures, to look for and apply generalizations to similar situations. The Problem-Based Interactive Learning activities offer students opportunities to look for regularity in the way operations behave. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP8 animation walks students through looking for and expressing regularity in repeated reasoning, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the KINDERGARTEN program, please see examples:</p> <p>SE/TE: Topic 6: 124; Topic 10: 197; Topic 11: 215; Topic 12: 227, 229, 233, 235, 242; Topic 14: 279, 284; Topic 15: 300; Topic 16: 311, 316</p> <p>TE: Topic 9: 167B; Topic 11: 216B; Topic 12: 226B, 228B, 234B</p>
<p>2.1 Numbers and Operations</p>	
<p>(A) Counting & Cardinality</p>	
<p>CC.2.1.K.A.1 Know number names and write and recite the count sequence.</p>	<p>SE/TE: Topic 1: 7-8, 13-14, 15-16, 17-18; Topic 2: 35-36, 37-38, 39-40, 41-42; Topic 3: 49-50, 53-54, 57-58, 61-62; Topic 4: 67-68, 69-70, 75-76, 79-80; Topic 5: 93-94, 9-98, 99-100, 103-104; Topic 6: 111-112, 113-114, 115-116, 119-120</p> <p>TE: Topic 1: 7A-8C, 13A-14C, 15A-16C; Topic 2: 35A-36C, 37A-38C, 39A-40C; Topic 3: 49A-50C, 53A-54C, 57A-58C; Topic 4: 67A-68C, 69A-70C, 75A-76C, 79A-80C; Topic 5: 93A-94C, 97A-98C, 99A-100C, 103A-104C; Topic 6: 111A-112C, 113A-114C, 115A-116C, 119A-120C</p>

**A Correlation of *enVisionMATH* Common Core to the
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Pennsylvania Common Core Standards Kindergarten	enVisionMATH Common Core Kindergarten
CC.2.1.K.A.2 Apply one-to one correspondence to count the number of objects.	<p>SE/TE: Topic 1: 3-4, 5-6, 7-8, 9-10, 11-12, 17-18; Topic 2: 23-24, 25-26, 27-28, 29-30, 31-32, 33-34, 41-42; Topic 3: 47-48, 51-52, 55-56, 61-62; Topic 4: 67-68, 69-70, 87-88</p> <p>TE: Topic 1: 3A-4C, 5A-6C, 7A-8C, 9A-10C, 11A-12C; Topic 2: 23A-24C, 25A-26C, 27A-28C, 29A-30C, 31A-32C, 33A-34C; Topic 3: 47A-48C, 51A-52C, 55A-56C; Topic 4: 67A-68C, 69A-70C</p>
CC.2.1.K.A.3 Apply the concept of magnitude to compare numbers and quantities.	<p>SE/TE: Topic 1: 7-8, 9-10, 11-12, 13-14; Topic 2: 23-24, 27-28, 29-30, 33-34; Topic 3: 47-48, 51-52, 53-54, 59-60; Topic 4: 69-70, 73-74, 77-78, 79-80; Topic 5: 93-94, 97-98, 99-100, 103-104; Topic 6: 115-116</p> <p>TE: Topic 1: 7A-8C, 9A-10C, 11A-12C, 13A-14C; Topic 2: 23A-24C, 27A-28C, 29A-30C, 33A-34C; Topic 3: 47A-48C, 51A-52C, 53A-54C, 59A-60C; Topic 4: 69A-70C, 73A-74C, 77A-78C, 79A-80C; Topic 5: 93A-94C, 97A-98C, 99A-100C, 103A-104C; Topic 6: 115A-116C</p>
(B) Number & Operations in Base Ten	
CC.2.1.K.B.1 Use place value to compose and decompose numbers within 19.	<p>SE/TE: Topic 10: 193-194, 195-196, 197-198, 199-200, 201-202; Topic 11: 207-208, 209-210, 211-212, 213-214, 215-216, 217-218</p> <p>TE: Topic 10: 193A-194C, 195A-196C, 197A-198C, 199A-200C; Topic 11: 207A-208C, 209A-210C, 211A-212C, 213A-214C, 215A-216C</p>
(C) Number & Operations – Fractions	
(A) Operations and Algebraic Thinking	
CC.2.2.K.A.1 Extend the concepts of putting together and taking apart to add and subtract within 10.	<p>SE/TE: Topic 7: 127-128, 129-130, 131-132, 133-134, 135-136, 137-138, 139-140; Topic 8: 147-148, 149-150, 151-152, 153-154, 155-156, 157-158, 161-162; Topic 9: 169-170, 171-172, 175-176, 177-178, 179-180, 181-182</p> <p>TE: Topic 7: 127A-128C, 129A-130C, 131A-132C, 133A-134C, 135A-136C, 137A-138C, 139A-140C; Topic 8: 147A-148C, 149A-150C, 151A-152C, 153A-154C, 155A-156C, 157A-158C, 161A-162C; Topic 9: 169A-170C, 171A-172C, 175A-176C, 177A-178C, 179A-180C, 181A-182C</p>

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Pennsylvania Common Core Standards Kindergarten	enVisionMATH Common Core Kindergarten
2.1 Numbers and Operations	
(C) Number & Operations – Fractions	
2.2 Algebraic Concepts	
(A) Operations and Algebraic Thinking	
CC.2.2.K.A.1 Extend the concepts of putting together and taking apart to add and subtract within 10.	<p>SE/TE: Topic 7: 127-128, 129-130, 131-132, 133-134, 135-136, 137-138, 139-140; Topic 8: 147-148, 149-150, 151-152, 153-154, 155-156, 157-158, 161-162; Topic 9: 169-170, 171-172, 175-176, 177-178, 179-180, 181-182</p> <p>TE: Topic 7: 127A-128C, 129A-130C, 131A-132C, 133A-134C, 135A-136C, 137A-138C, 139A-140C; Topic 8: 147A-148C, 149A-150C, 151A-152C, 153A-154C, 155A-156C, 157A-158C, 161A-162C; Topic 9: 169A-170C, 171A-172C, 175A-176C, 177A-178C, 179A-180C, 181A-182C</p>
2.3 Geometry	
(A) Geometry	
CC.2.3.K.A.1 Identify and describe two- and three dimensional shapes.	<p>SE/TE: Topic 14: 265-266, 267-268, 269-270, 271-272, 273-274, 275-276, 277-278, 279-280, 281-282; Topic 15: 287-288, 289-290, 291-292, 293-294, 295-296, 297-298; Topic 16: 311-312, 313-314</p> <p>TE: Topic 14: 265A-266C, 267A-268C, 269A-270C, 271A-272C, 273A-274C, 275A-276C, 277A-278C, 279A-280C; Topic 15: 287A-288C, 289A-290C, 291A-292C, 293A-294C, 295A-296C; Topic 16: 311A-312C</p>
CC.2.3.K.A.2 Analyze, compare, create, and compose two- and three dimensional shapes.	<p>SE/TE: Topic 14: 267-268, 269-270, 273-274, 275-276, 277-278, 279-280, 281-282; Topic 15: 287-288, 289-290, 291-292, 293-294, 297-298; Topic 16: 303-304, 305-306, 307-308, 309-310, 311-312, 313-314</p> <p>TE: Topic 14: 267A-268C, 269A-270C, 273A-274C, 275A-276C, 277A-278C, 279A-280C; Topic 15: 287A-288C, 289A-290C, 291A-292C, 293A-294C; Topic 16: 303A-304C, 305A-306C, 307A-308C, 309A-310C, 311A-312C</p>

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Pennsylvania Common Core Standards Kindergarten	enVisionMATH Common Core Kindergarten
2.4 Measurement, Data and Probability	
(A) Measurement and Data	
CC.2.4.K.A.1 Describe and compare attributes of length, area, weight, and capacity of everyday objects.	<p>SE/TE: Topic 12: 223-224, 225-226, 227-228, 229-230, 231-232, 233-234, 235-236</p> <p>TE: Topic 12: 223A-224C, 225A-226C, 227A-228C, 229A-230C, 231A-232C, 233A-234C, 235A-236C</p>
CC.2.4.K.A.4 Classify objects and count the number of objects in each category.	<p>SE/TE: Topic 13: 245-246, 247-248, 249-250, 251-252, 253-254, 255-256, 257-258, 259-260</p> <p>TE: Topic 13: 245A-246C, 247A-248C, 249A-250C, 251A-252C, 253A-254C, 255A-256C, 257A-258C</p>

**A Correlation of *enVisionMATH* Common Core
to the Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 1	enVisionMATH Common Core Grade 1
Standards of Mathematical Practices	
<p>Make sense of problems and persevere in solving them.</p>	<p><i>enVisionMATH Common Core, Realize Edition</i> is built on a foundation of problem-based instruction that has sense-making at its heart. Each topic includes at least one problem-solving lesson in which students focus on honing their sense-making and problem-solving skills. The problem-solving lessons present to students a process that begins with making sense of the problem. <i>Read and Understand</i>, the first phase of the process, has students ask themselves, <i>What am I trying to find?</i> and <i>What do I know?</i>, questions that will help identify the givens and constraints of the problem. In the second phase, <i>Plan and Solve</i>, students decide on a solution plan. In the final phase, <i>Look Back and Check</i>, students verify that their work is reasonable and reflects the information given. Each lesson begins with Problem-Based Interactive Learning, an activity in which students interact with their peers and teachers to make sense of and decide on a workable solution for a real-world situation. Another feature of each lesson is the set of problem-solving exercises in which students persevere by applying different skills and strategies to solve problems. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP1 animation walks students through making sense of problems and persevering in solving them, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 1 program, please see examples:</p> <p>SE/TE: Topic 1: 13-14, 21-22; Topic 2: 51-52, 59-60; Topic 3: 93-94, 97-98; Topic 4: 117, 137; Topic 5: 165-166; Topic 6: 207-208, 215-216; Topic 7: 241-242, 257-258; Topic 8: 271-272; Topic 9: 301-302, 305-306; Topic 10: 339-340; Topic 11: 357-358, 371; Topic 12: 383-384, 387-388; Topic 13: 417-418, 421-422; Topic 14: 451-452; Topic 15: 485-486; Topic 16: 519-520</p> <p>TE: Topic 5: 161B; Topic 8: 267A; Topic 10: 344A; Topic 14: 452A; Topic 15: 474A; Topic 16: 528A</p>

**A Correlation of *enVisionMATH* Common Core to the
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<p style="text-align: center;">Pennsylvania Common Core Standards Grade 1</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 1</p>
<p>Reason abstractly and quantitatively.</p>	<p><i>enVisionMATH Common Core, Realize Edition</i> provides scaffolded instruction to help students develop both quantitative and abstract reasoning. In the Visual Learning Bridge, students can see how to represent a given situation numerically or algebraically. They will have opportunities later in the lesson to reason abstractly as they endeavor to represent situations symbolically. Reasonableness exercises remind students to compare their work to the original situation. In the Do You Understand? part of the Guided Practice, students gain experiences with quantitative reasoning as they consider the meaning of different parts of an expression or equation. Reasoning problems throughout the exercise sets focus students' attention on the structure or meaning of an operation, for example, rather than merely the solution. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP2 animation walks students through reasoning abstractly and quantitatively, showing students how to understand, apply, and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 1 program, please see examples:</p> <p>SE/TE: Topic 2: 41; Topic 5: 167; Topic 6: 205; Topic 8: 285; Topic 9: 299; Topic 10: 337; Topic 12: 385; Topic 13: 415; Topic 14: 435-436, 439-440; Topic 15: 479; Topic 16: 519-520</p> <p>TE: Topic 1: 6A, 10A; Topic 2: 44A; Topic 3: 89B, 98A; Topic 4: 115B, 120A; Topic 5: 161B; Topic 6: 203B; Topic 7: 237A, 246A; Topic 8: 272A; Topic 9: 297A; Topic 10: 323B; Topic 11: 353B, 366A; Topic 12: 379A; Topic 13: 409B; Topic 15: 482A; Topic 16: 511B</p>

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Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 1</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 1</p>
<p>Construct viable arguments and critique the reasoning of others.</p>	<p>Consistent with a focus on reasoning and sense-making is a focus on critical reasoning – argumentation and critique of arguments. In Pearson’s <i>enVisionMATH Common Core, Realize Edition</i>, the Problem-Based Interactive Learning affords students opportunities to share with classmates their thinking about problems, their solution methods, and their reasoning about the solutions. Many exercises found throughout the program specifically call for students to use reasoning and to justify or explain their solutions. Journal activities in Grades K–2 and Writing to Explain exercises in Grades 3–6 help students develop foundational critical reasoning skills by having them construct explanations for processes. The ability to articulate a clear explanation for a process is a stepping stone to critical analysis and reasoning of both the student’s own processes and those of others. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP3 animation walks students through constructing viable arguments and critiquing the reasoning of others, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 1 program, please see examples:</p> <p>SE/TE: Topic 1: 19; Topic 5: 163, 171, 179; Topic 7: 247; Topic 9: 309-310; Topic 10: 329; Topic 11: 373-374; Topic 12: 318; Topic 13: 411; Topic 15: 467; Topic 16: 513</p> <p>TE: Topic 1: 14A; Topic 2: 56A, 64A; Topic 6: 224A, 228A; Topic 7: 250A; Topic 8: 280A; Topic 11: 370A; Topic 12: 379B; Topic 14: 431A, 436A; Topic 15: 478A</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 1</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 1</p>
<p>Model with mathematics.</p>	<p>Students in Pearson’s <i>enVisionMATH Common Core, Realize Edition</i> are introduced to mathematical modeling in the early grades. They first use manipulatives and drawings and then equations to model addition and subtraction situations. The Visual Learning Bridge and Visual Learning Animation often present real-world situations, and students are shown how these can be modeled mathematically. In later grades, students expand their modeling skills to include representations such as tables and graphs, as well as equations. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP4 animation walks students through modeling with mathematics, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 1 program, please see examples:</p> <p>SE/TE: Topic 1: 17-18; Topic 2: 53; Topic 3: 107; Topic 4: 123-124, 131-132; Topic 5: 169-170; Topic 6: 207-208, 215-216; Topic 7: 245-246; Topic 8: 273, 289; Topic 9: 313-314; Topic 10: 327-328; Topic 11: 355, 359; Topic 12: 395-396; Topic 13: 423, 425-426; Topic 14: 445; Topic 15: 473-474; Topic 16: 523-524</p> <p>TE: Topic 1: 22A; Topic 2: 39B; Topic 3: 94A; Topic 5: 166A; Topic 7: 242A; Topic 9: 297B; Topic 10: 340A; Topic 14: 431B; Topic 16: 520A</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 1	enVisionMATH Common Core Grade 1
<p>Use appropriate tools strategically.</p>	<p>Students become fluent in the use of a wide assortment of tools ranging from physical objects, including manipulatives, rulers, protractors, and even pencil and paper, to digital tools, such as Math Tools, calculators, and computers. As students become more familiar with the tools available to them, they are able to begin making decisions about which tools are most helpful in a particular situation. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP5 animation walks students through using appropriate tools strategically, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 1 program, please see examples:</p> <p>SE/TE: Topic 1: 3, 9-10; Topic 2: 43-44, 47-48; Topic 3: 91; Topic 4: 119-120; Topic 5: 165-166, 181-182; Topic 7: 239, 241-242; Topic 8: 271-272; Topic 9: 303, 309-310; Topic 10: 325, 333; Topic 11: 361-362; Topic 12: 393; Topic 14: 435-436, 439-440; Topic 15: 469-470, 471; Topic 16: 521</p> <p>TE: Topic 3: 89B; Topic 4: 115B; Topic 6: 208A, 212A; Topic 8: 276A; Topic 12: 388A; Topic 13: 409B, 414A</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 1</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 1</p>
<p>Attend to precision.</p>	<p>Students are expected to use mathematical terms and symbols with precision. Key terms and concepts are highlighted in each lesson. The Problem-Based Interactive Learning activity provides repeated opportunities for children to use precise language to explain their solution paths while solving problems. In the Do You Understand? feature, students revisit these key terms or concepts and provide explicit definitions or explanations. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP6 animation walks students through attending to precision, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 1 program, please see examples:</p> <p>SE/TE: Topic 1: 5-6; Topic 2: 43-44; Topic 3: 105-106; Topic 4: 119-120; Topic 5: 175; Topic 6: 211-212; Topic 7: 245-246; Topic 8: 275-276; Topic 9: 301-302; Topic 10: 331-332; Topic 11: 363; Topic 13: 413-414; Topic 14: 433; Topic 16: 515-516</p> <p>TE: Topic 1: 1D; Topic 2: 39A; Topic 3: 89B; Topic 4: 115D; Topic 5: 161D; Topic 6: 203D; Topic 7: 237D; Topic 8: 267B; Topic 9: 297D; Topic 10: 323B; Topic 11: 353D; Topic 12: 379D, 384A; Topic 13: 409D; Topic 14: 431D; Topic 15: 465D, 470A; Topic 16: 511D</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 1</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 1</p>
<p>Look for and make use of structure.</p>	<p>Students are encouraged to look for structure as they develop solution plans. In the Look for a Pattern problem-solving lessons, children in the early years develop a sense of patterning with visual and physical objects. As students mature in their mathematical thinking, they look for structure in numerical operations by focusing on place value and properties of operations. This focus on looking for and recognizing structure enables students to draw from patterns as they formalize their thinking about the structure of operations. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP7 animation walks students through looking for and making use of structure, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 1 program, please see examples:</p> <p>SE/TE: Topic 1: 17-18; Topic 7: 249-250; Topic 8: 291-292; Topic 11: 367; Topic 15: 469-470; Topic 16: 515-516</p> <p>TE: Topic 1: 1C; Topic 2: 39B, 48A; Topic 3: 89B, 110A; Topic 4: 115B, 152A; Topic 5: 161D, 182A; Topic 6: 203D, 220A; Topic 7: 237B; Topic 8: 267D; Topic 9: 297D, 306A; Topic 10: 323D, 332A; Topic 11: 353B; Topic 12: 379D, 396A; Topic 13: 409D; Topic 14: 431D; Topic 15: 465D; Topic 16: 511D</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 1	enVisionMATH Common Core Grade 1
<p>Look for and express regularity in repeated reasoning.</p>	<p>Students are prompted to look for repetition in computations to help them develop shortcuts and become more efficient problem solvers. Students are reminded to think about problems they have encountered previously that may share features or processes. They are encouraged to draw on the solution plan developed for such problems, and as their mathematical thinking matures, to look for and apply generalizations to similar situations. The Problem-Based Interactive Learning activities offer students opportunities to look for regularity in the way operations behave. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP8 animation walks students through looking for and expressing regularity in repeated reasoning, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 1 program, please see examples:</p> <p>SE/TE: Topic 1: 11; Topic 2: 61, 83-84; Topic 4: 127-128; Topic 5: 195; Topic 6: 223-224, 227-228; Topic 7: 261-262; Topic 8: 281; Topic 9: 307; Topic 10: 327-328; Topic 12: 391-392, 397; Topic 13: 413-414; Topic 14: 443-444</p> <p>TE: Topic 3: 89B, 102A; Topic 4: 124A; Topic 10: 328A; Topic 11: 358A</p>
2.1 Numbers and Operations	
(A) Counting & Cardinality	
(B) Number & Operations in Base Ten	
<p>CC.2.1.1.B.1 Extend the counting sequence to read and write numerals to represent objects.</p>	<p>SE/TE: Topic 7: 243-246, 247-250, 251-254, 255-258, 259-262, 263-264; Topic 8: 282-284, 285-288, 289-292, 293-294; Topic 9: 299-302, 307-310, 311-314, 319-320; Topic 10: 325-328, 333-336, 337-340, 349-350; Topic 11: 363-366, 375-376</p> <p>TE: Topic 7: 143A-246B, 247A-250B, 251A-254B, 255A-258B, 259A-262B; Topic 8: 282A-284B, 285A-288B, 289A-292B; Topic 9: 299A-302B, 307A-310B, 311A-314B; Topic 10: 325A-328B, 333A-336B, 337A-340B; Topic 11: 363A-366B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 1	enVisionMATH Common Core Grade 1
CC.2.1.1.B.2 Use place value concepts to represent amounts of tens and ones and to compare two digit numbers.	<p>SE/TE: Topic 7: 239-242, 247-250, 255-258, 259-261, 263-264; Topic 8: 269-272, 273-276, 277-280, 281-284, 285-288, 289-292, 293-294; Topic 9: 299-302, 303-306, 307-310, 311-314, 315-318, 319-320; Topic 10: 325-328, 337-340, 341-344, 345-348, 349-350; Topic 11: 359-362, 363-366, 375-376</p> <p>TE: Topic 7: 239A-242B, 247A-250B, 255A-258B, 259A-261B; Topic 8: 269A-272B, 273A-276B, 277A-280B, 281A-284B, 285A-288B, 289A-292B; Topic 9: 299A-302B, 303A-306B, 307A-310B, 311A-314B, 315A-318B; Topic 10: 325A-328B, 337A-340B, 341A-344B, 345A-348B; Topic 11: 359A-362B, 363A-366B</p>
CC.2.1.1.B.3 Use place value concepts and properties of operations to add and subtract within 100.	<p>SE/TE: Topic 7: 239-242, 243-246, 259-262, 263-264; Topic 8: 281-284, 285-288, 293-294; Topic 9: 299-302, 303-306, 319-320; Topic 10: 325-328, 329-332, 333-336, 337-340, 341-344, 345-348, 349-350; Topic 11: 355-358, 359-362, 363-366, 367-370, 371-374, 375-376</p> <p>TE: Topic 7: 239A-242B, 243A-246B, 259A-262B; Topic 8: 281A-284B, 285A-288B; Topic 9: 299A-302B, 303A-306B; Topic 10: 325A-328B, 329A-332B, 333A-336B, 337A-340B, 341A-344B, 345A-348B; Topic 11: 355A-358B, 359A-362B, 363A-366B, 367A-370B, 371A-374B</p>
(C) Number & Operations – Fractions	
2.2 Algebraic Concepts	
(A) Operations and Algebraic Thinking	
CC.2.2.1.A.1 Represent and solve problems involving addition and subtraction within 20.	<p>SE/TE: Topic 1: 3-6, 11-14, 15-18, 23-26; Topic 2: 53-56, 61-64, 69-72, 77-80; Topic 3: 91-94, 95-98, 99-102, 107-110; Topic 4: 121-124, 125-128, 133-136, 137-140; Topic 5: 167-170, 171-174, 195-198; Topic 6: 209-212, 217-220, 225-226</p> <p>TE: Topic 1: 3A-6B, 11A-14B, 15A-18B, 23A-26B; Topic 2: 53A-56B, 61A-64B, 69A-72B, 77A-80B; Topic 3: 91A-94B, 95A-98B, 99A-102B, 107A-110B; Topic 4: 121A-124B, 125A-128B, 133A-136B, 137A-140B; Topic 5: 167A-170B, 171A-174B, 195A-198B; Topic 6: 209A-212B, 217A-220B, 225A-226B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 1	enVisionMATH Common Core Grade 1
CC.2.2.1.A.2 Understand and apply properties of operations and the relationship between addition and subtraction.	<p>SE/TE: Topic 1: 19-22, 27-30, 35-36; Topic 2: 41-44, 45-48, 49-52, 85-86; Topic 3: 103-106, 111-112; Topic 4: 117-120, 141-144, 145-148, 149-152, 157-158; Topic 5: 179-182, 183-186, 187-190, 191-194, 199-200; Topic 6: 213-216, 217-220, 233-234</p> <p>TE: Topic 1: 19A-22B, 27A-30B; Topic 2: 41A-44B, 45A-48B, 49A-52B; Topic 3: 103A-106B; Topic 4: 117A-120B, 141A-144B, 145A-148B, 149A-152B; Topic 5: 179A-182B, 183A-186B, 187A-190B, 191A-194B; Topic 6: 213A-216B, 217A-220B</p>
2.3 Geometry	
(A) Geometry	
CC.2.3.1.A.1 Compose and distinguish between two- and three dimensional shapes based on their attributes.	<p>SE/TE: Topic 15: 467-470, 471-474, 475-478, 479-482, 483-486, 487-490, 491-494, 495-498, 499-502, 503-506, 507-508</p> <p>TE: Topic 15: 467A-470B, 471A-474B, 475A-478B, 479A-482B, 483A-486B, 487A-490B, 491A-494B, 495A-498B, 499A-502B, 503A-506B</p>
CC.2.3.1.A.2 Use the understanding of fractions to partition shapes into halves and quarters.	<p>SE/TE: Topic 16: 513-516, 517-520, 521-524, 525-528, 529-530</p> <p>TE: Topic 16: 513A-516B, 517A-520B, 521A-524B, 525A-528B</p>
2.4 Measurement, Data and Probability	
(A) Measurement and Data	
CC.2.4.1.A.1 Order lengths and measure them both indirectly and by repeating length units.	<p>SE/TE: Topic 12: 381-384, 385-388, 389-392, 393-396, 397-400, 401-404, 405-406</p> <p>TE: Topic 12: 381A-384B, 385A-388B, 389A-392B, 393A-396B, 397A-400B, 401A-404B</p>

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Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 1	enVisionMATH Common Core Grade 1
CC.2.4.1.A.2 Tell and write time to the nearest half hour using both analog and digital clocks.	<p>SE/TE: Topic 13: 411-414, 415-418, 419-422, 423-426, 427-428</p> <p>TE: Topic 13: 411A-414B, 415A-418B, 419A-422B, 423A-426B</p>
CC.2.4.1.A.4 Represent and interpret data using tables/charts.	<p>SE/TE: Topic 14: 433-436, 437-440, 441-444, 445-448, 449-452, 453-456, 457-460, 461-462</p> <p>TE: Topic 14: 433A-436B, 437A-440B, 441A-444B, 445A-448B, 449A-452B, 453A-456B, 457A-460</p>

**A Correlation of *enVisionMATH* Common Core
to the Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 2	enVisionMATH Common Core Grade 2
Standards of Mathematical Practices	
<p>Make sense of problems and persevere in solving them.</p>	<p><i>enVisionMATH Common Core, Realize Edition</i> is built on a foundation of problem-based instruction that has sense-making at its heart. Each topic includes at least one problem-solving lesson in which students focus on honing their sense-making and problem-solving skills. The problem-solving lessons present to students a process that begins with making sense of the problem. <i>Read and Understand</i>, the first phase of the process, has students ask themselves, <i>What am I trying to find?</i> and <i>What do I know?</i>, questions that will help identify the givens and constraints of the problem. In the second phase, <i>Plan and Solve</i>, students decide on a solution plan. In the final phase, <i>Look Back and Check</i>, students verify that their work is reasonable and reflects the information given. Each lesson begins with Problem-Based Interactive Learning, an activity in which students interact with their peers and teachers to make sense of and decide on a workable solution for a real-world situation. Another feature of each lesson is the set of problem-solving exercises in which students persevere by applying different skills and strategies to solve problems. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP1 animation walks students through making sense of problems and persevering in solving them, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 2 program, please see examples:</p> <p>SE/TE: Topic 1: 5-6, 9-10; Topic 2: 43-44, 47-48; Topic 3: 81-82; Topic 4: 103-104; Topic 5: 125-126, 129-130; Topic 6: 159-160; Topic 7: 189-190, 193-194; Topic 8: 215-216, 219-220; Topic 9: 371, 375; Topic 10: 303-304; Topic 11: 337-338, 341-342; Topic 12: 395-396, 405; Topic 13: 421-422, 423; Topic 14: 447-448; Topic 15: 469-470; Topic 16: 515-516, 517</p> <p>TE: Topic 3: 69B; Topic 4: 99B; Topic 6: 155B; Topic 10: 300A; Topic 14: 443A</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 2</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 2</p>
<p>Reason abstractly and quantitatively.</p>	<p><i>enVisionMATH Common Core, Realize Edition</i> provides scaffolded instruction to help students develop both quantitative and abstract reasoning. In the Visual Learning Bridge, students can see how to represent a given situation numerically or algebraically. They will have opportunities later in the lesson to reason abstractly as they endeavor to represent situations symbolically. Reasonableness exercises remind students to compare their work to the original situation. In the Do You Understand? part of the Guided Practice, students gain experiences with quantitative reasoning as they consider the meaning of different parts of an expression or equation. Reasoning problems throughout the exercise sets focus students' attention on the structure or meaning of an operation, for example, rather than merely the solution. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP2 animation walks students through reasoning abstractly and quantitatively, showing students how to understand, apply, and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 2 program, please see examples:</p> <p>SE/TE: Topic 1: 25-26; Topic 2: 45; Topic 3: 85-86; Topic 5: 131, 133-134; Topic 8: 221-229; Topic 10: 297, 309; Topic 11: 343, 375; Topic 12: 387-388, 389, 399-400, 401; Topic 13: 419, 425-426; Topic 14: 453, 464</p> <p>TE: Topic 2: 48A; Topic 8: 211B; Topic 13: 434A; Topic 15: 465A</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 2</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 2</p>
<p>Construct viable arguments and critique the reasoning of others.</p>	<p>Consistent with a focus on reasoning and sense-making is a focus on critical reasoning – argumentation and critique of arguments. In Pearson’s <i>enVisionMATH Common Core, Realize Edition</i>, the Problem-Based Interactive Learning affords students opportunities to share with classmates their thinking about problems, their solution methods, and their reasoning about the solutions. Many exercises found throughout the program specifically call for students to use reasoning and to justify or explain their solutions. Journal activities in Grades K–2 and Writing to Explain exercises in Grades 3–6 help students develop foundational critical reasoning skills by having them construct explanations for processes. The ability to articulate a clear explanation for a process is a stepping stone to critical analysis and reasoning of both the student’s own processes and those of others. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP3 animation walks students through constructing viable arguments and critiquing the reasoning of others, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 2 program, please see examples:</p> <p>SE/TE: Topic 4: 113; Topic 5: 147; Topic 6: 157; Topic 7: 195, 199; Topic 8: 221, 225; Topic 9: 259, 263; Topic 10: 305, 321; Topic 11: 335, 343; Topic 12: 393, 397; Topic 13: 427; Topic 14: 451-452; Topic 15: 467</p> <p>TE: Topic 1: 18A, 30A; Topic 2: 64A; Topic 4: 108A; Topic 5: 146A; Topic 11: 358A; Topic 12: 383B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 2</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 2</p>
<p>Model with mathematics.</p>	<p>Students in Pearson’s <i>enVisionMATH Common Core, Realize Edition</i> are introduced to mathematical modeling in the early grades. They first use manipulatives and drawings and then equations to model addition and subtraction situations. The Visual Learning Bridge and Visual Learning Animation often present real-world situations, and students are shown how these can be modeled mathematically. In later grades, students expand their modeling skills to include representations such as tables and graphs, as well as equations. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP4 animation walks students through modeling with mathematics, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 2 program, please see examples:</p> <p>SE/TE: Topic 1: 9-10, 13-14; Topic 3: 77-78; Topic 5: 149-150; Topic 6: 171-172; Topic 7: 187, 195; Topic 8: 217; Topic 9: 257-258, 259; Topic 11: 357-358, 363; Topic 12: 399-400, 403-404; Topic 13: 425-426; Topic 14: 459-460; Topic 15: 493-494</p> <p>TE: Topic 3: 74A; Topic 4: 99A, 112A; Topic 16: 507B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p align="center">Pennsylvania Common Core Standards Grade 2</p>	<p align="center">enVisionMATH Common Core Grade 2</p>
<p>Use appropriate tools strategically.</p>	<p>Students become fluent in the use of a wide assortment of tools ranging from physical objects, including manipulatives, rulers, protractors, and even pencil and paper, to digital tools, such as Math Tools, calculators, and computers. As students become more familiar with the tools available to them, they are able to begin making decisions about which tools are most helpful in a particular situation. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP5 animation walks students through using appropriate tools strategically, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 2 program, please see examples:</p> <p>SE/TE: Topic 1: 3, 7; Topic 2: 37, 41; Topic 3: 71, 75; Topic 4: 101; Topic 5: 123; Topic 6: 161; Topic 7: 191, 210; Topic 8: 213, 233; Topic 9: 255, 261-262; Topic 10: 299-300, 301; Topic 13: 431</p> <p>TE: Topic 4: 99B; Topic 6: 155B; Topic 11: 333A, 333B; Topic 14: 443B; Topic 15: 465B; Topic 16: 507A</p> <p align="center">\</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 2</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 2</p>
<p>Attend to precision.</p>	<p>Students are expected to use mathematical terms and symbols with precision. Key terms and concepts are highlighted in each lesson. The Problem-Based Interactive Learning activity provides repeated opportunities for children to use precise language to explain their solution paths while solving problems. In the Do You Understand? feature, students revisit these key terms or concepts and provide explicit definitions or explanations. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP6 animation walks students through attending to precision, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 2 program, please see examples:</p> <p>SE/TE: Topic 1: 5-6, 13-14; Topic 2: 39-40; Topic 3: 73-74; Topic 4: 111-112; Topic 6: 165; Topic 7: 197-198; Topic 8: 215-216; Topic 10: 303304; Topic 12: 391-392; Topic 13: 442</p> <p>TE: Topic 3: 69D; Topic 4: 99D; Topic 5: 121D, 126A; Topic 6: 155D; Topic 7: 185D; Topic 8: 211D; Topic 9: 253B, 253D; Topic 10: 295D; Topic 11: 333D, 338A; Topic 12: 383D; Topic 13: 417D; Topic 14: 443B, 443D; Topic 15: 465D, 470A; Topic 16: 507D</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 2</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 2</p>
<p>Look for and make use of structure.</p>	<p>Students are encouraged to look for structure as they develop solution plans. In the Look for a Pattern problem-solving lessons, children in the early years develop a sense of patterning with visual and physical objects. As students mature in their mathematical thinking, they look for structure in numerical operations by focusing on place value and properties of operations. This focus on looking for and recognizing structure enables students to draw from patterns as they formalize their thinking about the structure of operations. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP7 animation walks students through looking for and making use of structure, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 2 program, please see examples:</p> <p>SE/TE: Topic 1: 29-30; Topic 2: 68; Topic 5: 135; Topic 12: 391-392; Topic 13: 442</p> <p>TE: Topic 1: 26A; Topic 3: 69B, 69D; Topic 5: 121B; Topic 6: 155D; Topic 7: 185D; Topic 8: 211B, 211D; Topic 9: 253D; Topic 10: 295D, 295A; Topic 11: 333D, 333B; Topic 12: 383D; Topic 13: 417D, 417B; Topic 14: 443D; Topic 15: 465D; Topic 16: 507D</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 2	enVisionMATH Common Core Grade 2
Look for and express regularity in repeated reasoning.	<p>Students are prompted to look for repetition in computations to help them develop shortcuts and become more efficient problem solvers. Students are reminded to think about problems they have encountered previously that may share features or processes. They are encouraged to draw on the solution plan developed for such problems, and as their mathematical thinking matures, to look for and apply generalizations to similar situations. The Problem-Based Interactive Learning activities offer students opportunities to look for regularity in the way operations behave. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP8 animation walks students through looking for and expressing regularity in repeated reasoning, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 2 program, please see examples:</p> <p>SE/TE: Topic 1: 17-18; Topic 5: 125-126, 137-138; Topic 6: 177; Topic 8: 231-232; Topic 9: 267, 279; Topic 10: 313; Topic 11: 359, 363; Topic 12: 403-404, 410; Topic 15: 489-490; Topic 16: 511-512, 515-516, 529</p> <p>TE: Topic 2: 56A; Topic 7: 185B; Topic 10: 295B; Topic 16: 512A, 532A</p>
2.1 Numbers and Operations	
(A) Counting & Cardinality	
(B) Number & Operations in Base Ten	
CC.2.1.2.B.1 Use place value concepts to represent amounts of tens and ones and to compare three digit numbers.	<p>SE/TE: Topic 5: 123-126, 131-134, 147-150; Topic 8: 213-216, 217-220, 221-224, 225-228; Topic 9: 255-258, 259-262, 263-266, 267-270, 271-274; Topic 10: 301-304, 305-308, 309-312, 321-324; Topic 11: 347-350, 351-354, 367-370, 371-374</p> <p>TE: Topic 5: 123A-126B, 131A-134B, 147A-150B; Topic 8: 213A-216B, 217A-220B, 221A-224B, 225A-228B; Topic 9: 255A-258B, 259A-262B, 263A-266B, 267A-270B, 271A-274B; Topic 10: 301A-304B, 305A-308B, 309A-312B, 321A-324B; Topic 11: 347A-350B, 351A-354B, 367A-370B, 371A-374B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 2	enVisionMATH Common Core Grade 2
CC.2.1.2.B.2 Use place value concepts to read, write and skip count to 1000.	SE/TE: Topic 5: 127-130, 135-138, 151-152; Topic 6: 177-180, 181-182; Topic 10: 297-300, 301-304, 305-308, 309-312, 313-316, 317-320, 325-328, 329-330 TE: Topic 5: 127A-130B, 135A-138B; Topic 6: 177A-180B; Topic 10: 297A-300B, 301A-304B, 305A-308B, 309A-312B, 313A-316B, 317A-320B, 325A-328B
CC.2.1.2.B.3 Use place value understanding and properties of operations to add and subtract within 1000.	SE/TE: Topic 5: 139-142, 147-150; Topic 6: 157-160, 161-164, 165-168; Topic 7: 191-194, 195-198, 199-202; Topic 8: 217-220, 225-228, 233-236, 241-244; Topic 9: 259-262, 263-266, 271-274, 279-282; Topic 10: 309-312; Topic 11: 339-342, 347-350, 355-358, 363-366 TE: Topic 5: 139A-142B, 147A-150B; Topic 6: 157A-160B, 161A-164B, 165A-168B; Topic 7: 191A-194B, 195A-198B, 199A-202B; Topic 8: 217A-220B, 225A-228B, 233A-236B, 241A-244B; Topic 9: 259A-262B, 263A-266B, 271A-274B, 279A-282B; Topic 10: 309A-312B; Topic 11: 339A-342B, 347A-350B, 355A-358B, 363A-366B
(C) Number & Operations – Fractions	
2.2 Algebraic Concepts	
(A) Operations and Algebraic Thinking	
CC.2.2.2.A.1 Represent and solve problems involving addition and subtraction within 100.	SE/TE: Topic 1: 3-6, 7-10, 11-14, 15-18, 19-22, 23-26, 27-30, 31-32; Topic 2: 49-52, 53-56, 57-60, 61-64, 65-66; Topic 3: 87-90, 91-94, 95-96 TE: Topic 1: 3A-6B, 7A-10B, 11A-14B, 15A-18B, 19A-22B, 23A-26B, 27A-30B; Topic 2: 49A-52B, 53A-56B, 57A-60B, 61A-64B; Topic 3: 87A-90B, 91A-94B
CC.2.2.2.A.2 Use mental strategies to add and subtract within 20.	SE/TE: Topic 2: 37-40, 41-44, 45-48, 49-52, 53-56, 57-60, 61-64, 65-66; Topic 3: 71-74, 75-78, 79-82, 83-86, 87-90, 95-96 TE: Topic 2: 37A-40B, 41A-44B, 45A-48B, 49A-52B, 53A-56B, 57A-60B, 61A-64B; Topic 3: 71A-74B, 75A-78B, 79A-82B, 83A-86B, 87A-90B
CC.2.2.2.A.3 Work with equal groups of objects to gain foundations for multiplication.	SE/TE: Topic 4: 101-104, 105-108, 109-112, 113-116, 117-118 TE: Topic 4: 101A-104B, 105A-108B, 109A-112B, 113A-116

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 2	enVisionMATH Common Core Grade 2
2.3 Geometry	
(A) Geometry	
CC.2.3.2.A.1 Analyze and draw two- and three dimensional shapes having specified attributes.	SE/TE: Topic 12: 385-388, 389-392, 393-396, 397-400, 401-404, 409-412, 413-414 TE: Topic 12: 385A-388B, 389A-392B, 393A-396B, 397A-400B, 401A-404B, 409A-412B
CC.2.3.2.A.2 Use the understanding of fractions to partition shapes into halves, quarters, and thirds.	SE/TE: Topic 12: 397-400, 401-404, 405-408, 413-414 TE: Topic 12: 397A-400B, 401A-404B, 405A-408B
2.4 Measurement, Data and Probability	
(A) Measurement and Data	
CC.2.4.2.A.1 Measure and estimate lengths in standard units using appropriate tools.	SE/TE: Topic 15: 467-470, 471-474, 475-478, 479-482, 483-486, 487-490, 495-498, 499-502, 503-504 TE: Topic 15: 467A-470B, 471A-474B, 475A-478B, 479A-482B, 483A-486B, 487A-490B, 495A-498B, 499A-502B
CC.2.4.2.A.2 Tell and write time to the nearest five minutes using both analog and digital clocks.	SE/TE: Topic 16: 509-512, 513-516, 533-534 TE: Topic 16: 509A-512B, 513A-516B
CC.2.4.2.A.3 Solve problems using coins and paper currency with appropriate symbols.	SE/TE: Topic 13: 419-422, 423-426, 427-430, 431-434, 435-438, 439-440; Topic 14: 445-448, 449-452, 453-456, 457-460, 461-462 TE: Topic 13: 419A-422B, 423A-426B, 427A-430B, 431A-434B, 435A-438B; Topic 14: 445A-448B, 449A-452B, 453A-456B, 457A-460B
CC.2.4.2.A.4 Represent and interpret data using line plots, picture graphs, and bar graphs.	SE/TE: Topic 16: 517-520, 521-524, 525-528, 529-532, 533-534 TE: Topic 16: 517A-520B, 521A-524B, 525A-528B, 529A-532B
CC.2.4.2.A.6 Extend the concepts of addition and subtraction to problems involving length.	SE/TE: Topic 15: 491-494, 503-504 TE: Topic 15: 491A-494B

**A Correlation of *enVisionMATH* Common Core
to the Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 3	enVisionMATH Common Core Grade 3
Standards of Mathematical Practices	
<p>Make sense of problems and persevere in solving them.</p>	<p><i>enVisionMATH Common Core, Realize Edition</i> is built on a foundation of problem-based instruction that has sense-making at its heart. Each topic includes at least one problem-solving lesson in which students focus on honing their sense-making and problem-solving skills. The problem-solving lessons present to students a process that begins with making sense of the problem. <i>Read and Understand</i>, the first phase of the process, has students ask themselves, <i>What am I trying to find?</i> and <i>What do I know?</i>, questions that will help identify the givens and constraints of the problem. In the second phase, <i>Plan and Solve</i>, students decide on a solution plan. In the final phase, <i>Look Back and Check</i>, students verify that their work is reasonable and reflects the information given. In Grades 3–6, the Problem-Solving Recording Sheet, a reproducible teaching resource, provides a structured outline to help students make sense of the problem and implement a workable solution method. Each lesson begins with Problem-Based Interactive Learning, an activity in which students interact with their peers and teachers to make sense of and decide on a workable solution for a real-world situation. Another feature of each lesson is the set of problem-solving exercises in which students persevere by applying different skills and strategies to solve problems. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP1 animation walks students through making sense of problems and persevering in solving them, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 3 program, please see examples: SE/TE: Topic 1: 11, 17; Topic 2: 5; Topic 3: 59, 69; Topic 4: 99, 107; Topic 5: 118, 121; Topic 6: 145; Topic 7: 171, 176; Topic 8: 194, 195; Topic 9: 235; Topic 10: 259; Topic 11: 281; Topic 13: 311, 313; Topic 14: 331, 333; Topic 15: 373; Topic 16: 388, 389 TE: Topic 6: 156B; Topic 11: 282B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 3</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 3</p>
<p>Reason abstractly and quantitatively.</p>	<p><i>enVisionMATH Common Core, Realize Edition</i> provides scaffolded instruction to help students develop both quantitative and abstract reasoning. In the Visual Learning Bridge, students can see how to represent a given situation numerically or algebraically. They will have opportunities later in the lesson to reason abstractly as they endeavor to represent situations symbolically. Reasonableness exercises remind students to compare their work to the original situation. In the Do You Understand? part of the Guided Practice, students gain experiences with quantitative reasoning as they consider the meaning of different parts of an expression or equation. Reasoning problems throughout the exercise sets focus students' attention on the structure or meaning of an operation, for example, rather than merely the solution. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP2 animation walks students through reasoning abstractly and quantitatively, showing students how to understand, apply, and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 3 program, please see examples:</p> <p>SE/TE: Topic 1: 7, 8; Topic 3: 59, 60; Topic 4: 99, 101; Topic 5: 116, 121; Topic 6: 140, 144; Topic 7: 173, 175; Topic 8: 190, 194; Topic 9: 221, 222; Topic 10: 244, 245; Topic 11: 272, 277; Topic 12: 293, 296; Topic 13: 310, 315; Topic 15: 365, 367; Topic 16: 384</p> <p>TE: Topic 3: 58B; Topic 13: 314B; Topic 16: 384B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 3</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 3</p>
<p>s.</p>	<p>Consistent with a focus on reasoning and sense-making is a focus on critical reasoning – argumentation and critique of arguments. In Pearson’s <i>enVisionMATH Common Core, Realize Edition</i>, the Problem-Based Interactive Learning affords students opportunities to share with classmates their thinking about problems, their solution methods, and their reasoning about the solutions. Many exercises found throughout the program specifically call for students to use reasoning and to justify or explain their solutions. Journal activities in Grades K–2 and Writing to Explain exercises in Grades 3–6 help students develop foundational critical reasoning skills by having them construct explanations for processes. The ability to articulate a clear explanation for a process is a stepping stone to critical analysis and reasoning of both the student’s own processes and those of others. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP3 animation walks students through constructing viable arguments and critiquing the reasoning of others, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 3 program, please see examples:</p> <p>SE/TE: Topic 1: 7, 9; Topic 2: 30, 32; Topic 3: 59, 62; Topic 4: 101, 103; Topic 5: 118, 120; Topic 6: 141, 145; Topic 7: 171, 175; Topic 8: 191, 193; Topic 9: 220, 223; Topic 10: 246, 247; Topic 11: 274, 277; Topic 12: 294, 300; Topic 13: 311, 314; Topic 14: 331, 333; Topic 15: 364, 367; Topic 16: 385, 387</p> <p>TE: Topic 3: 58B; Topic 14: 330B, 334B; Topic 16: 384B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 3</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 3</p>
<p>Model with mathematics.</p>	<p>Students in Pearson’s <i>enVisionMATH Common Core, Realize Edition</i> are introduced to mathematical modeling in the early grades. They first use manipulatives and drawings and then equations to model addition and subtraction situations. The Visual Learning Bridge and Visual Learning Animation often present real-world situations, and students are shown how these can be modeled mathematically. In later grades, students expand their modeling skills to include representations such as tables and graphs, as well as equations. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP4 animation walks students through modeling with mathematics, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 3 program, please see examples:</p> <p>SE/TE: Topic 1: 18; Topic 2: 31, 32; Topic 3: 69, 72; Topic 4: 99, 101; Topic 5: 122, 127; Topic 6: 141, 147; Topic 7: 170, 171; Topic 8: 199; Topic 9: 223; Topic 10: 247, 257; Topic 11: 275; Topic 12: 294, 299; Topic 13: 313; Topic 14: 330; Topic 15: 373; Topic 16: 389, 391</p> <p>TE: Topic 8: 200B; Topic 9: 222B; Topic 13: 314B; Topic 14: 338B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 3</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 3</p>
<p>Use appropriate tools strategically.</p>	<p>Students become fluent in the use of a wide assortment of tools ranging from physical objects, including manipulatives, rulers, protractors, and even pencil and paper, to digital tools, such as Math Tools, calculators, and computers. As students become more familiar with the tools available to them, they are able to begin making decisions about which tools are most helpful in a particular situation. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP5 animation walks students through using appropriate tools strategically, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 3 program, please see examples:</p> <p>SE/TE: Topic 1: 6; Topic 2: 47; Topic 8: 204; Topic 10: 249; Topic 11: 275; Topic 13: 316; Topic 14: 335; Topic 15: 366, 369; Topic 16: 385</p> <p>TE: Topic 1: 6B; Topic 2: 32B; Topic 3: 60B, 64B; Topic 4: 98B, 100B; Topic 5: 113B, 120B; Topic 6: 140B, 142B; Topic 7: 170B, 172B; Topic 9: 220B, 224B; Topic 10: 244B; Topic 11: 272B; Topic 12: 292B, 298B; Topic 13: 310B; Topic 14: 332B; Topic 16: 382B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 3</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 3</p>
<p>Attend to precision.</p>	<p>Students are expected to use mathematical terms and symbols with precision. Key terms and concepts are highlighted in each lesson. The Problem-Based Interactive Learning activity provides repeated opportunities for children to use precise language to explain their solution paths while solving problems. In the Do You Understand? feature, students revisit these key terms or concepts and provide explicit definitions or explanations. In Grades 3–6, the Writing to Explain and Think About the Structure exercises require students to use precise language to provide clear explanations of terms, concepts, or processes. Students are reminded to use appropriate units of measure in their solutions as well as in labels for diagrams, graphs, and other kinds of displays. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP6 animation walks students through attending to precision, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 3 program, please see examples:</p> <p>SE/TE: Topic 1: 13; Topic 2: 47; Topic 4: 100; Topic 7: 173, 186; Topic 8: 197, 205; Topic 10: 251, 268; Topic 12: 297; Topic 13: 326; Topic 14: 334; Topic 16: 383, 389</p> <p>TE: Topic 1: 2J; Topic 2: 27B; Topic 3: 55B, 55D; Topic 4: 95D; Topic 5: 113D Topic 6: 154B; Topic 12: 296B; Topic 14: 346B; Topic 15: 366B, 370B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p align="center">Pennsylvania Common Core Standards Grade 3</p>	<p align="center">enVisionMATH Common Core Grade 3</p>
<p>Look for and make use of structure.</p>	<p>Students are encouraged to look for structure as they develop solution plans. In the Look for a Pattern problem-solving lessons, children in the early years develop a sense of patterning with visual and physical objects. As students mature in their mathematical thinking, they look for structure in numerical operations by focusing on place value and properties of operations. This focus on looking for and recognizing structure enables students to draw from patterns as they formalize their thinking about the structure of operations. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP7 animation walks students through looking for and making use of structure, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 3 program, please see examples:</p> <p>SE/TE: Topic 2: 31, 42; Topic 3: 70; Topic 4: 107; Topic 6: 141, 142; Topic 7: 177; Topic 8: 191; Topic 9: 235; Topic 10: 249, 250; Topic 11: 274; Topic 12: 295; Topic 13: 317, 320; Topic 14: 341, 344; Topic 15: 369; Topic 16: 382, 392</p> <p>TE: Topic 1: 2G, 2H; Topic 3: 55D; Topic 4: 95D; Topic 5: 113B, 113D; Topic 7: 174B; Topic 8: 190B; Topic 9: 228B; Topic 11: 276B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 3	enVisionMATH Common Core Grade 3
Look for and express regularity in repeated reasoning.	<p>Students are prompted to look for repetition in computations to help them develop shortcuts and become more efficient problem solvers. Students are reminded to think about problems they have encountered previously that may share features or processes. They are encouraged to draw on the solution plan developed for such problems, and as their mathematical thinking matures, to look for and apply generalizations to similar situations. The Problem-Based Interactive Learning activities offer students opportunities to look for regularity in the way operations behave. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP8 animation walks students through looking for and expressing regularity in repeated reasoning, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 3 program, please see examples:</p> <p>SE/TE: Topic 2: 30; Topic 3: 64, 66, 67; Topic 4: 103; Topic 5: 117, 120; Topic 6: 143; Topic 7: 179; Topic 8: 196, 200; Topic 9: 226, 229; Topic 10: 254; Topic 11: 278; Topic 12: 301; Topic 13: 312; Topic 14: 339; Topic 15: 367; Topic 16: 392</p> <p>TE: Topic 2: 30B; Topic 3: 66B; Topic 4: 102B; Topic 6: 152B; Topic 11: 278B; Topic 13: 312B; Topic 14: 336B; Topic 15: 364B</p>
2.1 Numbers and Operations	
(A) Counting & Cardinality	
(B) Number & Operations in Base Ten	
CC.2.1.3.B.1 Apply place value understanding and properties of operations to perform multi-digit arithmetic. (M03.A-T.1.1.1; M03.A-T.1.1.2; M03.A-T.1.1.3; M03.A-T.1.1.4)	<p>SE/TE: Topic 1: 6-7, 8-9, 10-11, 12-13, 14-17, 18-19, 20-21; Topic 2: 30-31, 32-33, 34-37, 38-39, 40-43, 48-49; Topic 3: 58-59, 64-65, 68-69, 72-73, 78-79, 80-81, 82-83</p> <p>TE: Topic 1: 6A-7B, 8A-9B, 10A-11B, 12A-13B, 14A-17B, 18A-19B, 20A-21B; Topic 2: 30A-31B, 32A-33B, 34A-37B, 38A-39B, 40A-43B, 48A-49B; Topic 3: 58A-59B, 64A-65B, 68A-69B, 72A-73B, 78A-79B, 80A-81B, 82A-83B</p>

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Pennsylvania Common Core Standards Grade 3	enVisionMATH Common Core Grade 3
(C) Number & Operations – Fractions	
CC.2.1.3.C.1 Explore and develop an understanding of fractions as numbers. (M03.A-F.1.1.1; M03.A-F.1.1.2; M03.A-F.1.1.3; M03.A-F.1.1.4; M03.A-F.1.1.5)	SE/TE: Topic 9: 220-221, 222-223, 224-225, 226-227, 228-229, 230-231, 232-233, 234-235, 236-237; Topic 10: 244-245, 246-247, 248-249, 250-251, 252-255, 256-257, 258-259, 260-261, 262-263, 264-265 TE: Topic 9: 220A-221B, 222A-223B, 224A-225B, 226A-227B, 228A-229B, 230A-231B, 232A-233B, 234A-235B; Topic 10: 244A-245B, 246A-247B, 248A-249B, 250A-251B, 252A-255B, 256A-257B, 258A-259B, 260A-261B
2.2 Algebraic Concepts	
(A) Operations and Algebraic Thinking	
CC.2.2.3.A.1 Represent and solve problems involving multiplication and division. (M03.B-O.1.1.1; M03.B-O.1.1.2; M03.B-O.1.2.1; M03.B-O.1.2.2)	SE/TE: Topic 4: 98-99, 100-101, 102-103, 104-105, 106-107, 108-109; Topic 5: 130-131, 132-133; Topic 6: 142-143, 144-145, 146-149, 150-151, 154-155, 156-157, 162-163; Topic 7: 170-171, 172-173, 176-177, 180-181; Topic 8: 202-203, 208-211 TE: Topic 4: 98A-99B, 100A-101B, 102A-103B, 104A-105B, 106A-107B; Topic 5: 130A-131B; Topic 6: 142A-143B, 144A-145B, 146A-149B, 150A-151B, 154A-155B, 156A-157B; Topic 7: 170A-171B, 172A-173B, 176A-177B, 188A-181B; Topic 8: 202A-203B, 208A-211B
CC.2.2.3.A.2 Understand properties of multiplication and the relationship between multiplication and division. (M03.B-O.2.1.1; M03.B-O.2.1.2; M03.B-O.2.2.1)	SE/TE: Topic 4: 102-103, 108-109; Topic 6: 140-141, 152-153, 162-163; Topic 7: 174-175, 182-183; Topic 8: 190-191, 206-207, 212-213 TE: Topic 4: 102A-103B; Topic 6: 140A-141B, 152A-153B; Topic 7: 174A-175B; Topic 8: 190A-191B, 206A-207B
CC.2.2.3.A.3 Demonstrate multiplication and division fluency.	SE/TE: Topic 8: 190-191, 192-195, 196-197, 198-199, 204-205, 206-207, 208-211, 212-213 TE: Topic 8: 190A-191B, 192A-195B, 196A-197B, 198A-199B, 204A-205B, 206A-207B, 208A-207B, 208A-211B
CC.2.2.3.A.4 Solve problems involving the four operations, and identify and explain patterns in arithmetic. (M03.B-O.3.1.1; M03.B-O.3.1.2; M03.B-O.3.1.3; M03.B-O.3.1.4; M03.B-O.3.1.5; M03.B-O.3.1.6; M03.B-O.3.1.7)	SE/TE: Topic 3: 86-89; Topic 4: 106-107, 108-109; Topic 5: 116-119, 120-121, 122-123, 124-125, 126-127, 128-129, 132-133; Topic 6: 158-161, 162-163; Topic 8: 200-201, 212-213 TE: Topic 3: 86A-89B; Topic 4: 106A-107B; Topic 5: 116A-119B, 120A-121B, 122A-123B, 124A-125B, 126A-127B, 128A-129B; Topic 6: 158A-161B; Topic 8: 200A-201B

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Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 3	enVisionMATH Common Core Grade 3
2.3 Geometry	
(A) Geometry	
CC.2.3.3.A.1 Identify, compare, and classify shapes and their attributes. (M03.C-G.1.1.1; M03.C-G.1.1.2)	SE/TE: Topic 11: 272-275, 276-277, 278-279, 280-281, 284-285; Topic 14: 350-351 TE: Topic 11: 272A-275B, 276A-277B, 278A-279B, 280A-281B; Topic 14: 350A-351B
CC.2.3.3.A.2 Use the understanding of fractions to partition shapes into parts with equal areas and express the area of each part as a unit fraction of the whole. (M03.C-G.1.1.3)	SE/TE: Topic 9: 220-221, 222-223; Topic 14: 350-351, 356-357 TE: Topic 9: 220A-221B, 222A-223B; Topic 14: 350A-351B
2.4 Measurement, Data and Probability	
(A) Measurement and Data	
CC.2.4.3.A.1 Solve problems involving measurement and estimation of temperature, liquid volume, mass or length. (M03.D-M.1.2.1; M03.D-M.1.2.2; M03.D-M.1.2.3)	SE/TE: Topic 15: 364-365, 366-367, 368-369, 370-371, 372-373, 374-375 TE: Topic 15: 364A-365B, 366A-367B, 368A-369B, 370A-371B, 372A-373B
CC.2.4.3.A.2 Tell and write time to the nearest minute and solve problems by calculating time intervals. (M03.D-M.1.1.1; M03.D-M.1.1.2)	SE/TE: Topic 12: 292-295, 296-297, 298-299, 300-301, 302-303 TE: Topic 12: 292A-295B, 296A-297B, 298A-299B, 300A-301B
CC.2.4.3.A.3 Solve problems and make change involving money using a combination of coins and bills. (M03.D-M.1.3.1; M03.D-M.1.3.2; M03.D-M.1.3.3)	For related content, please see: SE/TE: Topic 1: 3; Topic 2: 38-39; Topic 3: 68-69, 72, 88; Topic 4: 107-109; Topic 5: 118, 121, 123, 129, 130-131, 133; Topic 6: 151, 159, 160, 163; Topic 8: 197, 199, 206-207, 210; Topic 14: 349; Topic 16: 389, 393, 403, 404 TE: Topic 1: 8A, 14A, 26A; Topic 2: 47B; Topic 3: 66A, 68A, 74A, 84A, 85B; Topic 4: 100A, 106B; Topic 5: 120A, 127B, 130A, 131A-131B; Topic 6: 152A, 161B; Topic 7: 177B, 180A; Topic 8: 196A, 199B; Topic 9: 227B; Topic 14: 334A
CC.2.4.3.A.4 Represent and interpret data using tally charts, tables, pictographs, line plots, and bar graphs. (M03.D-M.2.1.1; M03.D-M.2.1.2; M03.D-M.2.1.3; M03.D-M.2.1.4)	SE/TE: Topic 16: 382-383, 384-385, 386-389, 390-391, 392-393, 394-395, 396-397 TE: Topic 16: 382A-383B, 384A-385B, 386A-389B, 390A-391B, 392A-393B, 394A-395B

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p align="center">Pennsylvania Common Core Standards Grade 3</p>	<p align="center">enVisionMATH Common Core Grade 3</p>
<p>CC.2.4.3.A.5 Determine the area of a rectangle and apply the concept to multiplication and to addition. (M03.D-M.3.1.1; M03.D-M.3.1.2)</p>	<p>SE/TE: Topic 11: 282-283; Topic 14: 330-331, 332-333, 334-335, 336-337, 338-339, 340-341, 342-345, 346-347, 348-349, 352-353, 354-355, 356-357</p> <p>TE: Topic 11: 282A-283B; Topic 14: 330A-331B, 332A-333B, 334A-335B, 336A-337B, 338A-339B, 340A-341B, 342A-345B, 346A-347B, 348A-349B, 352A-353B</p>
<p>CC.2.4.3.A.6 Solve problems involving perimeters of polygons and distinguish between linear and area measures. (M03.D-M.4.1.1)</p>	<p>SE/TE: Topic 13: 310-311, 312-313, 314-315, 316-317, 318-321, 322-323; Topic 14: 346-347, 348-349, 354-355, 356-357</p> <p>TE: Topic 13: 310A-311B, 312A-313B, 314A-315B, 316A-317B, 318A-321B; Topic 14: 346A-347B, 348A-349B</p>

**A Correlation of *enVisionMATH* Common Core
to the Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 4	enVisionMATH Common Core Grade 4
Standards of Mathematical Practices	
<p>Make sense of problems and persevere in solving them.</p>	<p><i>enVisionMATH Common Core, Realize Edition</i> is built on a foundation of problem-based instruction that has sense-making at its heart. Each topic includes at least one problem-solving lesson in which students focus on honing their sense-making and problem-solving skills. The problem-solving lessons present to students a process that begins with making sense of the problem. <i>Read and Understand</i>, the first phase of the process, has students ask themselves, <i>What am I trying to find?</i> and <i>What do I know?</i>, questions that will help identify the givens and constraints of the problem. In the second phase, <i>Plan and Solve</i>, students decide on a solution plan. In the final phase, <i>Look Back and Check</i>, students verify that their work is reasonable and reflects the information given. In Grades 3–6, the Problem-Solving Recording Sheet, a reproducible teaching resource, provides a structured outline to help students make sense of the problem and implement a workable solution method. Each lesson begins with Problem-Based Interactive Learning, an activity in which students interact with their peers and teachers to make sense of and decide on a workable solution for a real-world situation. Another feature of each lesson is the set of problem-solving exercises in which students persevere by applying different skills and strategies to solve problems. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP1 animation walks students through making sense of problems and persevering in solving them, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 4 program, please see examples: SE/TE: Topic 1: 13, 22; Topic 2: 45, 55; Topic 3: 72, 73, 84; Topic 4: 95, 98; Topic 5: 125, 126; Topic 6: 150; Topic 7: 169; Topic 8: 193, 195; Topic 9: 211; Topic 10: 232, 236; Topic 11: 264; Topic 12: 291; Topic 13: 329, 331; Topic 14: 365, 367; Topic 15: 405; Topic 16: 423</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p align="center">Pennsylvania Common Core Standards Grade 4</p>	<p align="center">enVisionMATH Common Core Grade 4</p>
<p>(Continued) Make sense of problems and persevere in solving them.</p>	<p>TE: Topic 6: 135B; Topic 7: 174B; Topic 9: 212B; Topic 11: 256B; Topic 12: 281A; Topic 15: 410B</p>
<p>Reason abstractly and quantitatively.</p>	<p><i>enVisionMATH Common Core, Realize Edition</i> provides scaffolded instruction to help students develop both quantitative and abstract reasoning. In the Visual Learning Bridge, students can see how to represent a given situation numerically or algebraically. They will have opportunities later in the lesson to reason abstractly as they endeavor to represent situations symbolically. Reasonableness exercises remind students to compare their work to the original situation. In the Do You Understand? part of the Guided Practice, students gain experiences with quantitative reasoning as they consider the meaning of different parts of an expression or equation. Reasoning problems throughout the exercise sets focus students' attention on the structure or meaning of an operation, for example, rather than merely the solution. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP2 animation walks students through reasoning abstractly and quantitatively, showing students how to understand, apply, and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 4 program, please see examples:</p> <p>SE/TE: Topic 1: 17, 18; Topic 2: 44; Topic 3: 68; Topic 4: 93, 99; Topic 5: 119, 121; Topic 6: 148, 149; Topic 7: 168, 170; Topic 8: 186, 187; Topic 9: 206, 208; Topic 10: 228; Topic 11: 257; Topic 12: 288, 295; Topic 13: 331; Topic 14: 365; Topic 16: 423, 424</p> <p>TE: Topic 2: 46B, 50B; Topic 3: 70B, 74B; Topic 4: 90B; Topic 7: 166B; Topic 10: 228B; Topic 11: 262B; Topic 13: 325B; Topic 14: 361B; Topic 15: 410B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p align="center">Pennsylvania Common Core Standards Grade 4</p>	<p align="center">enVisionMATH Common Core Grade 4</p>
<p>Construct viable arguments and critique the reasoning of others.</p>	<p>Consistent with a focus on reasoning and sense-making is a focus on critical reasoning – argumentation and critique of arguments. In Pearson’s <i>enVisionMATH Common Core, Realize Edition</i>, the Problem-Based Interactive Learning affords students opportunities to share with classmates their thinking about problems, their solution methods, and their reasoning about the solutions. Many exercises found throughout the program specifically call for students to use reasoning and to justify or explain their solutions. Journal activities in Grades K–2 and Writing to Explain exercises in Grades 3–6 help students develop foundational critical reasoning skills by having them construct explanations for processes. The ability to articulate a clear explanation for a process is a stepping stone to critical analysis and reasoning of both the student’s own processes and those of others. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP3 animation walks students through constructing viable arguments and critiquing the reasoning of others, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 4 program, please see examples:</p> <p>SE/TE: Topic 1: 13, 17; Topic 2: 40, 41, 51; Topic 3: 69; Topic 4: 91, 94, 97; Topic 5: 118, 126; Topic 6: 140, 141; Topic 7: 168, 173; Topic 8: 189, 190; Topic 9: 206, 208; Topic 10: 229, 232; Topic 11: 256, 261; Topic 12: 289, 290; Topic 13: 331, 333; Topic 14: 364; Topic 15: 401, 402; Topic 16: 422, 425</p> <p>TE: Topic 1: 9A; Topic 3: 79A; Topic 7: 172B; Topic 14: 368B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 4</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 4</p>
<p>Model with mathematics.</p>	<p>Students in Pearson’s <i>enVisionMATH Common Core, Realize Edition</i> are introduced to mathematical modeling in the early grades. They first use manipulatives and drawings and then equations to model addition and subtraction situations. The Visual Learning Bridge and Visual Learning Animation often present real-world situations, and students are shown how these can be modeled mathematically. In later grades, students expand their modeling skills to include representations such as tables and graphs, as well as equations. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP4 animation walks students through modeling with mathematics, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 4 program, please see examples:</p> <p>SE/TE: Topic 1: 7; Topic 3: 76, 79; Topic 4: 98; Topic 5: 116, 119; Topic 6: 146; Topic 7: 167, 171; Topic 8: 189; Topic 9: 207; Topic 11: 261; Topic 12: 289, 293; Topic 13: 332; Topic 14: 384; Topic 15: 407; Topic 16: 425</p> <p>TE: Topic 1: 2G, 12B; Topic 4: 87D; Topic 5: 120B; Topic 6: 152B; Topic 8: 194B; Topic 9: 214B; Topic 10: 240B, 244B; Topic 13: 332B; Topic 15: 406B; Topic 16: 432B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p align="center">Pennsylvania Common Core Standards Grade 4</p>	<p align="center">enVisionMATH Common Core Grade 4</p>
<p>Use appropriate tools strategically.</p>	<p>Students become fluent in the use of a wide assortment of tools ranging from physical objects, including manipulatives, rulers, protractors, and even pencil and paper, to digital tools, such as Math Tools, calculators, and computers. As students become more familiar with the tools available to them, they are able to begin making decisions about which tools are most helpful in a particular situation. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP5 animation walks students through using appropriate tools strategically, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 4 program, please see examples:</p> <p>SE/TE: Topic 2: 47; Topic 4: 107; Topic 9: 203; Topic 10: 231; Topic 11: 259; Topic 14: 381; Topic 15: 401</p> <p>TE: Topic 1: 2H, 6B, 10B; Topic 2: 37B, 44B; Topic 3: 80B; Topic 5: 113B, 116B; Topic 6: 139B; Topic 8: 186B, 190B; Topic 10: 225B, 230B; Topic 11: 253B, 258B; Topic 12: 288B, 292B; Topic 13: 325A, 325B; Topic 14: 376B; Topic 15: 397B; Topic 16: 419B, 422B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p align="center">Pennsylvania Common Core Standards Grade 4</p>	<p align="center">enVisionMATH Common Core Grade 4</p>
<p>Attend to precision.</p>	<p>Students are expected to use mathematical terms and symbols with precision. Key terms and concepts are highlighted in each lesson. The Problem-Based Interactive Learning activity provides repeated opportunities for children to use precise language to explain their solution paths while solving problems. In the Do You Understand? feature, students revisit these key terms or concepts and provide explicit definitions or explanations. In Grades 3–6, the Writing to Explain and Think About the Structure exercises require students to use precise language to provide clear explanations of terms, concepts, or processes. Students are reminded to use appropriate units of measure in their solutions as well as in labels for diagrams, graphs, and other kinds of displays. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP6 animation walks students through attending to precision, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 4 program, please see examples:</p> <p>SE/TE: Topic 1: 31; Topic 3: 67; Topic 4: 93; Topic 5: 122; Topic 7: 175; Topic 8: 195; Topic 9: 224; Topic 11: 261; Topic 12: 298; Topic 13: 339; Topic 15: 418</p> <p>TE: Topic 1: 2J; Topic 2: 37D; Topic 3: 63D; Topic 4: 87D; Topic 5: 113D; Topic 6: 135A, 135D; Topic 7: 163D; Topic 8: 183D; Topic 9: 203D; Topic 10: 225D; Topic 11: 253D; Topic 12: 285D; Topic 13: 325D; Topic 14: 361D, 364B; Topic 15: 397D; Topic 16: 419D, 428B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 4</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 4</p>
<p>Look for and make use of structure.</p>	<p>Students are encouraged to look for structure as they develop solution plans. In the Look for a Pattern problem-solving lessons, children in the early years develop a sense of patterning with visual and physical objects. As students mature in their mathematical thinking, they look for structure in numerical operations by focusing on place value and properties of operations. This focus on looking for and recognizing structure enables students to draw from patterns as they formalize their thinking about the structure of operations. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP7 animation walks students through looking for and making use of structure, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 4 program, please see examples:</p> <p>SE/TE: Topic 1: 8, 19; Topic 3: 30; Topic 4: 93, 95; Topic 5: 117; Topic 7: 168; Topic 8: 189; Topic 9: 207; Topic 10: 232; Topic 15: 412; Topic 16: 426</p> <p>TE: Topic 1: 2H; Topic 2: 37D, 40B; Topic 3: 63B, 66B; Topic 5: 113D; Topic 6: 135D, 142B; Topic 7: 163D; Topic 9: 206B; Topic 10: 225D; Topic 11: 253B, 253D; Topic 12: 285B, 285D; Topic 13: 325D, 328B; Topic 14: 361C, 361D; Topic 15: 397D; Topic 16: 419D</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p align="center">Pennsylvania Common Core Standards Grade 4</p>	<p align="center">enVisionMATH Common Core Grade 4</p>
<p>Look for and express regularity in repeated reasoning.</p>	<p>Students are prompted to look for repetition in computations to help them develop shortcuts and become more efficient problem solvers. Students are reminded to think about problems they have encountered previously that may share features or processes. They are encouraged to draw on the solution plan developed for such problems, and as their mathematical thinking matures, to look for and apply generalizations to similar situations. The Problem-Based Interactive Learning activities offer students opportunities to look for regularity in the way operations behave. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP8 animation walks students through looking for and expressing regularity in repeated reasoning, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 4 program, please see examples:</p> <p>SE/TE: Topic 1: 10, 16; Topic 2: 43; Topic 5: 125; Topic 6: 138, 144; Topic 10: 230; Topic 11: 257; Topic 13: 337, 342; Topic 14: 377, 379; Topic 15: 412</p> <p>TE: Topic 3: 68B, 78B; Topic 4: 94B, 95A, 96B; Topic 5: 126B; Topic 7: 170B; Topic 8: 192B; Topic 9: 208B; Topic 10: 225B; Topic 11: 253A; Topic 12: 285B, 290B</p>
<p>2.1 Numbers and Operations</p>	
<p>(A) Counting & Cardinality</p>	
<p>(B) Number & Operations in Base Ten</p>	
<p>CC.2.1.4.B.1 Apply place value concepts to show an understanding of multi-digit whole numbers. (M04.A-T.1.1.1; M04.A-T.1.1.2; M04.A-T.1.1.3; M04.A-T.1.1.4)</p>	<p>SE/TE: Topic 3: 66-67, 68-69, 70-73, 74-77, 78-79, 80-81, 82-83; Topic 4: 94-95; Topic 5: 124-125; Topic 7: 176-177, 178-179</p> <p>TE: Topic 3: 66A-67B, 68A-69B, 70A-73B, 74A-77B, 78A-79B, 80A-81B; Topic 4: 94A-95B; Topic 5: 124A-125B; Topic 7: 176A-177B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 4	enVisionMATH Common Core Grade 4
CC.2.1.4.B.2 Use place value understanding and properties of operations to perform multi-digit arithmetic. (M04.A-T.2.1.1; M04.A-T.2.1.2; M04.A-T.2.1.3; M04.A-T.2.1.4)	<p>SE/TE: Topic 4: 94-95, 100-101, 102-103; Topic 5: 116-117, 120-121, 122-123; Topic 6: 142-143, 148-151, 152-153; Topic 7: 166-169, 170-171, 174-175; Topic 8: 190-191, 192-193, 196-197; Topic 9: 208-209, 212-213, 214-217; Topic 10: 228-229, 234-237, 238-239</p> <p>TE: Topic 4: 94A-95B, 100A-101B, 102A-103B; Topic 5: 116A-117B, 120A-121B, 122A-123B; Topic 6: 142A-143B, 148A-151B, 152A-153B; Topic 7: 166A-169B, 170A-171B, 174A-175B; Topic 8: 190A-191B, 192A-193B, 196A-197B; Topic 9: 208A-209B, 212A-213B, 214A-217B; Topic 10: 228A-229B, 234A-237B, 238A-239B</p>
(C) Number & Operations – Fractions	
CC.2.1.4.C.1 Extend the understanding of fractions to show equivalence and ordering. (M04.A-F.1.1.1; M04.A-F.1.1.2)	<p>SE/TE: Topic 11: 262-265, 266-267, 268-271, 272-273, 274-277, 278-279, 280-281</p> <p>TE: Topic 11: 262A-265B, 266A-267B, 268A-271B, 272A-273B, 274A-277B</p>
CC.2.1.4.C.2 Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers. (M04.A-F.2.1.1; M04.A-F.2.1.2; M04.A-F.2.1.3; M04.A-F.2.1.4; M04.A-F.2.1.5; M04.A-F.2.1.6; M04.A-F.2.1.7)	<p>SE/TE: Topic 12: 288-289, 290-291, 292-293, 294-295, 296-299, 300-303, 304-307, 308-309, 310-311, 312-313, 314-317, 318-319, 320-321; Topic 13: 328-329, 330-331, 332-333, 354-355, 356-357</p> <p>TE: Topic 12: 288A-289B, 290A-291B, 292A-293B, 294A-295B, 296A-299B, 300A-303B, 304A-307B, 308A-309B, 310A-311B, 312A-313B, 314A-317B; Topic 13: 328A-329B, 330A-331B, 332A-333B</p>
CC.2.1.4.C.2 Build fractions from unit fractions by applying and extending previous understandings of operations on whole numbers. (M04.A-F.2.1.1; M04.A-F.2.1.2; M04.A-F.2.1.3; M04.A-F.2.1.4; M04.A-F.2.1.5; M04.A-F.2.1.6; M04.A-F.2.1.7)	<p>SE/TE: Topic 12: 288-289, 290-291, 292-293, 294-295, 296-299, 300-303, 304-307, 308-309, 310-311, 312-313, 314-317, 318-319, 320-321; Topic 13: 328-329, 330-331, 332-333, 354-355, 356-357</p> <p>TE: Topic 12: 288A-289B, 290A-291B, 292A-293B, 294A-295B, 296A-299B, 300A-303B, 304A-307B, 308A-309B, 310A-311B, 312A-313B, 314A-317B; Topic 13: 328A-329B, 330A-331B, 332A-333B</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 4	enVisionMATH Common Core Grade 4
2.2 Algebraic Concepts	
(A) Operations and Algebraic Thinking	
CC.2.2.4.A.1 Represent and solve problems involving the four operations. (M04.B-O.1.1.1; M04.B-O.1.1.2; M04.B-O.1.1.3; M04.B-O.1.1.4)	<p>SE/TE: Topic 1: 6-9, 12-13, 14-17, 18-19, 20-23, 24-25, 26-27, 28-29, 30-31, 32-33; Topic 2: 54-57, 58-59; Topic 10: 244-245</p> <p>TE: Topic 1: 6A-9B, 12A-13B, 14A-17B, 18A-19B, 20A-23B, 24A-25B, 26A-27B, 28A-29B, 30A-31B; Topic 2: 54A-57B; Topic 10: 244A-245B</p>
CC.2.2.4.A.2 Develop and/or apply number theory concepts to find factors and multiples. (M04.B-O.2.1.1)	<p>SE/TE: Topic 1: 6-9, 10-11, 14-17, 26-27, 28-29, 30-31, 32-33; Topic 11: 256-257, 258-259, 260-261, 278-279</p> <p>TE: Topic 1: 6A-9B, 10A-11B, 14A-17B, 26A-27B, 28A-29B, 30A-31B; Topic 11: 256A-257B, 258A-259B, 260A-261B, 278A-279B</p>
CC.2.2.4.A.4 Generate and analyze patterns using one rule. (M04.B-O.3.1.1; M04.B-O.3.1.2; M04.B-O.3.1.3)	<p>SE/TE: Topic 1: 10-11; Topic 2: 40-41, 42-43, 44-45, 46-49, 50-53, 58-59</p> <p>TE: Topic 1: 10A-11B; Topic 2: 40A-41B, 42A-43B, 44A-45B, 46A-49B, 50A-53B</p>
2.3 Geometry	
(A) Geometry	
CC.2.3.4.A.1 Draw lines and angles and identify these in two-dimensional figures. (M04.C-G.1.1.1)	<p>SE/TE: Topic 16: 422-423, 424-425, 434-435, 436-437, 438-439, 440-441, 442-443, 444-445, 446-447</p> <p>TE: Topic 16: 422A-423B, 424A-425B, 434A-435B, 436A-437B, 438A-439B, 440A-441B, 442A-443B</p>
CC.2.3.4.A.2 Classify two dimensional figures by properties of their lines and angles. (M04.C-G.1.1.2)	<p>SE/TE: Topic 16: 424-425, 434-435, 436-437, 438-439, 442-443, 444-445, 446-447</p> <p>TE: Topic 16: 424A-425B, 434A-435B, 436A-437B, 438A-439B, 442A-443B</p>
CC.2.3.4.A.3 Recognize symmetric shapes and draw lines of symmetry. (M04.C-G.1.1.3)	<p>SE/TE: Topic 16: 424-425, 440-441, 446-447</p> <p>TE: Topic 16: 424A-425B, 440A-441B</p>

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Pennsylvania Common Core Standards Grade 4	enVisionMATH Common Core Grade 4
2.4 Measurement, Data and Probability	
(A) Measurement and Data	
CC.2.4.4.A.1 Solve problems involving measurement and conversions from a larger unit to a smaller unit. (M04.D-M.1.1.1; M04.D-M.1.1.2; M04.D-M.1.1.3; M04.D-M.1.1.4)	<p>SE/TE: Topic 13: 350-351, 352-353; Topic 14: 364-365, 366-367, 368-369, 370-373, 374-375, 376-377, 378-379, 380-381, 382-385, 386-387, 388-389, 390-391, 392-393; Topic 15: 404-405, 406-407, 408-409, 410-413, 414-415</p> <p>TE: Topic 13: 350A-351B, 352A-353B; Topic 14: 364A-365B, 366A-367B, 368A-369B, 370A-373B, 374A-375B, 376A-377B, 378A-379B, 380A-381B, 382A-385B, 386A-387B, 388A-389B; Topic 15: 404A-405B, 406A-407B, 408A-409B, 410A-413B</p>
CC.2.4.4.A.2 Translate information from one type of data display to another. (M04.D-M.2.1.3)	<p>SE/TE: Topic 15: 400-401, 402-403, 414-415</p> <p>TE: Topic 15: 400A-401B, 402A-403B</p>
CC.2.4.4.A.2 Translate information from one type of data display to another. (M04.D-M.2.1.3)	<p>SE/TE: Topic 15: 400-401, 402-403, 414-415</p> <p>TE: Topic 15: 400A-401B, 402A-403B</p>
CC.2.4.4.A.6 Measure angles and use properties of adjacent angles to solve problems. (M04.D-M.3.1.1; M04.D-M.3.1.2)	<p>SE/TE: Topic 16: 426-427, 428-429, 430-431, 432-433, 444-445, 446-447</p> <p>TE: Topic 16: 426A-427B, 428A-429B, 430A-431B, 432A-433B</p>

**A Correlation of *enVisionMATH* Common Core
to the Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 5</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 5</p>
<p>Standards of Mathematical Practices</p>	
<p>Make sense of problems and persevere in solving them.</p>	<p><i>enVisionMATH Common Core, Realize Edition</i> is built on a foundation of problem-based instruction that has sense-making at its heart. Each topic includes at least one problem-solving lesson in which students focus on honing their sense-making and problem-solving skills. The problem-solving lessons present to students a process that begins with making sense of the problem. <i>Read and Understand</i>, the first phase of the process, has students ask themselves, <i>What am I trying to find?</i> and <i>What do I know?</i>, questions that will help identify the givens and constraints of the problem. In the second phase, <i>Plan and Solve</i>, students decide on a solution plan. In the final phase, <i>Look Back and Check</i>, students verify that their work is reasonable and reflects the information given. In Grades 3–6, the Problem-Solving Recording Sheet, a reproducible teaching resource, provides a structured outline to help students make sense of the problem and implement a workable solution method. Each lesson begins with Problem-Based Interactive Learning, an activity in which students interact with their peers and teachers to make sense of and decide on a workable solution for a real-world situation. Another feature of each lesson is the set of problem-solving exercises in which students persevere by applying different skills and strategies to solve problems. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP1 animation walks students through making sense of problems and persevering in solving them, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 5</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 5</p>
<p>(Continued) Make sense of problems and persevere in solving them.</p>	<p>Located throughout the GRADE 5 program, please see examples:</p> <p>SE/TE: Topic 1: 10, 17; Topic 2: 32, 38; Topic 3: 67, 69; Topic 4: 94; Topic 5: 113, 115; Topic 6: 135, 142; Topic 7: 158, 160; Topic 8: 181, 184; Topic 9: 205; Topic 10: 237; Topic 11: 256, 262; Topic 12: 292, 295; Topic 13: 307, 317; Topic 14: 331; Topic 15: 353; Topic 16: 368 TE: Topic 4: 86B; Topic 9: 216B; Topic 10: 240B; Topic 14: 334B; Topic 16: 363B</p>
<p>Reason abstractly and quantitatively.</p>	<p><i>enVisionMATH Common Core, Realize Edition</i> provides scaffolded instruction to help students develop both quantitative and abstract reasoning. In the Visual Learning Bridge, students can see how to represent a given situation numerically or algebraically. They will have opportunities later in the lesson to reason abstractly as they endeavor to represent situations symbolically. Reasonableness exercises remind students to compare their work to the original situation. In the Do You Understand? part of the Guided Practice, students gain experiences with quantitative reasoning as they consider the meaning of different parts of an expression or equation. Reasoning problems throughout the exercise sets focus students' attention on the structure or meaning of an operation, for example, rather than merely the solution. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP2 animation walks students through reasoning abstractly and quantitatively, showing students how to understand, apply, and connect this Mathematical Practice to lessons. Located throughout the GRADE 5 program, please see examples:</p> <p>SE/TE: Topic 1: 6; Topic 2: 32; Topic 3: 64; Topic 4: 83; Topic 5: 108, 114; Topic 6: 142; Topic 7: 159, 165; Topic 8: 192; Topic 9: 205; Topic 10: 235, 238; Topic 11: 252, 254; Topic 12: 295; Topic 13: 307; Topic 15: 347; Topic 16: 370, 373 TE: Topic 1: 2G; Topic 2: 30B; Topic 4: 92B; Topic 6: 138B; Topic 8: 190B; Topic 9: 201A; Topic 12: 294B; Topic 13: 310B; Topic 14: 325B, 330B</p>

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<p align="center">Pennsylvania Common Core Standards Grade 5</p>	<p align="center">enVisionMATH Common Core Grade 5</p>
<p>Construct viable arguments and critique the reasoning of others.</p>	<p>Consistent with a focus on reasoning and sense-making is a focus on critical reasoning – argumentation and critique of arguments. In Pearson’s <i>enVisionMATH Common Core, Realize Edition</i>, the Problem-Based Interactive Learning affords students opportunities to share with classmates their thinking about problems, their solution methods, and their reasoning about the solutions. Many exercises found throughout the program specifically call for students to use reasoning and to justify or explain their solutions. Journal activities in Grades K–2 and Writing to Explain exercises in Grades 3–6 help students develop foundational critical reasoning skills by having them construct explanations for processes. The ability to articulate a clear explanation for a process is a stepping stone to critical analysis and reasoning of both the student’s own processes and those of others. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP3 animation walks students through constructing viable arguments and critiquing the reasoning of others, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 5 program, please see examples:</p> <p>SE/TE: Topic 1: 7, 8; Topic 2: 44; Topic 3: 63; Topic 4: 85, 86; Topic 5: 111, 120; Topic 6: 135; 139; Topic 7: 158; Topic 8: 180, 182; Topic 9: 206; Topic 10: 232; Topic 11: 253, 261; Topic 12: 296; Topic 13: 310; Topic 14: 328, 332; Topic 15: 348; Topic 16: 369</p> <p>TE: Topic 2: 36B; Topic 3: 64B; Topic 7: 160B; Topic 9: 204B; Topic 10: 230B; Topic 12: 288B; Topic 13: 306B; Topic 15: 343B; Topic 16: 366B</p>

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<p align="center">Pennsylvania Common Core Standards Grade 5</p>	<p align="center">enVisionMATH Common Core Grade 5</p>
<p>Model with mathematics.</p>	<p>Students in Pearson’s <i>enVisionMATH Common Core, Realize Edition</i> are introduced to mathematical modeling in the early grades. They first use manipulatives and drawings and then equations to model addition and subtraction situations. The Visual Learning Bridge and Visual Learning Animation often present real-world situations, and students are shown how these can be modeled mathematically. In later grades, students expand their modeling skills to include representations such as tables and graphs, as well as equations. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP4 animation walks students through modeling with mathematics, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 5 program, please see examples:</p> <p>SE/TE: Topic 1: 15; Topic 2: 41; Topic 3: 65; Topic 4: 87; Topic 5: 112, 118; Topic 7: 161, 171; Topic 8: 181, 188; Topic 9: 208B; Topic 11: 271, 275; Topic 12: 288, 291; Topic 13: 309; Topic 14: 331, 337; Topic 15: 357</p> <p>TE: Topic 2: 40B; Topic 3: 66B; Topic 4: 98B; Topic 6: 148B; Topic 9: 206B; Topic 10: 227A, 232B; Topic 16: 374B, 376B</p>

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<p align="center">Pennsylvania Common Core Standards Grade 5</p>	<p align="center">enVisionMATH Common Core Grade 5</p>
<p>Use appropriate tools strategically.</p>	<p>Students become fluent in the use of a wide assortment of tools ranging from physical objects, including manipulatives, rulers, protractors, and even pencil and paper, to digital tools, such as Math Tools, calculators, and computers. As students become more familiar with the tools available to them, they are able to begin making decisions about which tools are most helpful in a particular situation. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP5 animation walks students through using appropriate tools strategically, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 5 program, please see examples:</p> <p>SE/TE: Topic 2: 42; Topic 3: 71; Topic 4: 99; Topic 6: 141; Topic 7: 159; Topic 10: 231; Topic 12: 286</p> <p>TE: Topic 1: 8B; Topic 3: 59B; Topic 5: 112B, 116B; Topic 6: 140B; Topic 7: 168B; Topic 8: 177B, 180B; Topic 11: 249B, 252B; Topic 12: 285A; Topic 13: 303A, 308B; Topic 14: 325B, 328B; Topic 15: 343A, 346C</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p style="text-align: center;">Pennsylvania Common Core Standards Grade 5</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 5</p>
<p>Attend to precision.</p>	<p>Students are expected to use mathematical terms and symbols with precision. Key terms and concepts are highlighted in each lesson. The Problem-Based Interactive Learning activity provides repeated opportunities for children to use precise language to explain their solution paths while solving problems. In the Do You Understand? feature, students revisit these key terms or concepts and provide explicit definitions or explanations. In Grades 3–6, the Writing to Explain and Think About the Structure exercises require students to use precise language to provide clear explanations of terms, concepts, or processes. Students are reminded to use appropriate units of measure in their solutions as well as in labels for diagrams, graphs, and other kinds of displays. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP6 animation walks students through attending to precision, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 5 program, please see examples:</p> <p>SE/TE: Topic 1: 12; Topic 2: 35, 47; Topic 4: 90; Topic 5: 109; Topic 6: 147; Topic 9: 217; Topic 10: 234; Topic 11: 262; Topic 12: 296; Topic 13: 311; Topic 14: 329; Topic 15: 349, 352; Topic 16: 366</p> <p>TE: Topic 1: 2J; Topic 3: 59B; Topic 4: 79D; Topic 5: 120B; Topic 6: 131D; Topic 7: 155B, 155D; Topic 8: 177D, 182B; Topic 9: 201D; Topic 10: 227D; Topic 11: 249D; Topic 12: 285D; Topic 13: 303D; Topic 14: 325D; Topic 16: 363D</p>

**A Correlation of *enVisionMATH* Common Core to the
Pennsylvania Common Core Standards for Mathematics**

<p align="center">Pennsylvania Common Core Standards Grade 5</p>	<p align="center">enVisionMATH Common Core Grade 5</p>
<p>Look for and make use of structure.</p>	<p>Students are encouraged to look for structure as they develop solution plans. In the Look for a Pattern problem-solving lessons, children in the early years develop a sense of patterning with visual and physical objects. As students mature in their mathematical thinking, they look for structure in numerical operations by focusing on place value and properties of operations. This focus on looking for and recognizing structure enables students to draw from patterns as they formalize their thinking about the structure of operations. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP7 animation walks students through looking for and making use of structure, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 5 program, please see examples:</p> <p>SE/TE: Topic 1: 10; Topic 2: 32, 50; Topic 3: 63; Topic 4: 85; Topic 7: 163; Topic 8: 180; Topic 9: 211; Topic 10: 231; Topic 12: 289; Topic 13: 312; Topic 14: 334</p> <p>TE: Topic 1: 2J; Topic 3: 59D; Topic 4: 79D; Topic 5: 105A, 108B; Topic 6: 131A, 134B; Topic 7: 155A; Topic 8: 177A; Topic 9: 201B; Topic 10: 227D; Topic 11: 249B, 254B; Topic 12: 285B; Topic 13: 303D; Topic 14: 325D; Topic 15: 343D, 348B; Topic 16: 363A, 363D</p>

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<p align="center">Pennsylvania Common Core Standards Grade 5</p>	<p align="center">enVisionMATH Common Core Grade 5</p>
<p>Look for and express regularity in repeated reasoning.</p>	<p>Students are prompted to look for repetition in computations to help them develop shortcuts and become more efficient problem solvers. Students are reminded to think about problems they have encountered previously that may share features or processes. They are encouraged to draw on the solution plan developed for such problems, and as their mathematical thinking matures, to look for and apply generalizations to similar situations. The Problem-Based Interactive Learning activities offer students opportunities to look for regularity in the way operations behave. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP8 animation walks students through looking for and expressing regularity in repeated reasoning, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 5 program, please see examples:</p> <p>SE/TE: Topic 1: 15; Topic 2: 35; Topic 3: 65; Topic 7: 163; Topic 8: 185, 187; Topic 9: 207, 211; Topic 11: 256, 262; Topic 12: 292; Topic 13: 317; Topic 14: 335; Topic 15: 353, 355; Topic 16: 370, 374</p> <p>TE: Topic 1: 6B; Topic 2: 34B; Topic 3: 62B; Topic 4: 82B, 84B; Topic 5: 105A, 110B; Topic 6: 131B, 136B; Topic 7: 158B; Topic 10: 227B, 238B; Topic 12: 296B</p>
<p>2.1 Numbers and Operations</p>	
<p>(A) Counting & Cardinality</p>	
<p>(B) Number & Operations in Base Ten</p>	
<p>CC.2.1.5.B.1 Apply place value concepts to show an understanding of operations and rounding as they pertain to whole numbers and decimals. (M05.A-T.1.1.1.1; M05.A-T.1.1.1.2; M05.A-T.1.1.1.3; M05.A-T.1.1.1.4; M05.A-T.1.1.1.5)</p>	<p>SE/TE: Topic 1: 6-7, 8-11, 12-13, 14-15, 16-17, 18-21, 32-33; Topic 2: 34-35, 52-53; Topic 3: 64-65, 74-75; Topic 6: 134-135, 150-151; Topic 7: 158-159, 172-173</p> <p>TE: Topic 1: 6A-7B, 8A-11B, 12A-13B, 14A-15B, 16A-17B, 18A-21B; Topic 2: 34A-35B; Topic 3: 64A-65B; Topic 6: 134A-135B; Topic 7: 158A-159B</p>

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Pennsylvania Common Core Standards Grade 5	enVisionMATH Common Core Grade 5
CC.2.1.5.B.2 Extend an understanding of operations with whole numbers to perform operations including decimals. (M05.A-T.2.1.1; M05.A-T.2.1.2; M05.A-T.2.1.3)	<p>SE/TE: Topic 2: 30-33, 40-43, 44-45, 48-51; Topic 3: 62-63, 66-67, 68-69, 72-73; Topic 4: 82-83, 84-85, 88-91, 96-97; Topic 5: 110-111, 114-115, 116-119, 122-123; Topic 6: 136-137, 138-139, 146-147, 148-149; Topic 7: 162-163, 166-167, 168-169, 170-171</p> <p>TE: Topic 2: 30A-33B, 40A-43B, 44A-45B, 48A-51B; Topic 3: 62A-63B, 66A-67B, 68A-69B, 72A-73B; Topic 4: 82A-83B, 84A-85B, 88A-91B, 96A-97B; Topic 5: 110A-111B, 114A-115B, 116A-119B, 122A-123B; Topic 6: 136A-137B, 138A-139B, 146A-147B, 148A-149B; Topic 7: 162A-163B, 166A-167B, 168A-169B, 170A-171B</p>
(C) Number & Operations – Fractions	
CC.2.1.5.C.1 Use the understanding of equivalency to add and subtract fractions. (M05.A-F.1.1.1)	<p>SE/TE: Topic 9: 204-205, 206-207, 208-209, 210-211, 212-215, 216-217, 218-221, 222-223; Topic 10: 230-231, 232-235, 236-237, 238-239, 240-241, 242-243, 244-245</p> <p>TE: Topic 9: 204A-205B, 206A-207B, 208A-209B, 210A-211B, 212A-215B, 216A-217B, 218A-221B; Topic 10: 230A-231B, 232A-235B, 236A-237B, 238A-239B, 240A-241B, 242A-243B</p>
CC.2.1.5.C.2 Apply and extend previous understandings of multiplication and division to multiply and divide fractions. (M05.A-F.2.1.1; M05.A-F.2.1.2; M05.A-F.2.1.3; M05.A-F.2.1.4)	<p>SE/TE: Topic 11: 252-253, 254-257, 258-259, 260-263, 264-265, 266-267, 268-269, 270-271, 272-273, 274-275, 276-277, 278-279, 280-281</p> <p>TE: Topic 11: 252A-253B, 254A-257B, 258A-259B, 260A-263B, 264A-265B, 266A-267B, 268A-269B, 270A-271B, 272A-273B, 274A-275B, 276A-277B, 278A-279B</p>
2.2 Algebraic Concepts	
(A) Operations and Algebraic Thinking	
CC.2.2.5.A.1 Interpret and evaluate numerical expressions using order of operations. (M05.B-O.1.1.1; M05.B-O.1.1.2)	<p>SE/TE: Topic 8: 180-181, 182-185, 186-187, 194-195, 196-197</p> <p>TE: Topic 8: 180A-181B, 182A-185B, 186A-187B, 194A-195B</p>
CC.2.2.5.A.4 Analyze patterns and relationships using two rules. (M05.B-O.2.1.1; M05.B-O.2.1.2)	<p>SE/TE: Topic 8: 188-189, 190-191, 192-193, 196-197; Topic 16: 374-375</p> <p>TE: Topic 8: 188A-189B, 190A-191B, 192A-193B; Topic 16: 374A-375B</p>

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Pennsylvania Common Core Standards Grade 5	enVisionMATH Common Core Grade 5
2.3 Geometry	
(A) Geometry	
CC.2.3.5.A.1 Graph points in the first quadrant on the coordinate plane and interpret these points when solving real world and mathematical problems. (M05.C-G.1.1.1; M05.C-G.1.1.2)	SE/TE: Topic 14: 336-337; Topic 16: 366-369, 370-371, 372-373, 376-377 TE: Topic 14: 336A-337B; Topic 16: 366A-369B, 370A-371B, 372A-373B, 376A-377B
CC.2.3.5.A.1 Graph points in the first quadrant on the coordinate plane and interpret these points when solving real world and mathematical problems. (M05.C-G.1.1.1; M05.C-G.1.1.2)	SE/TE: Topic 14: 336-337; Topic 16: 366-369, 370-371, 372-373, 376-377 TE: Topic 14: 336A-337B; Topic 16: 366A-369B, 370A-371B, 372A-373B, 376A-377B
2.4 Measurement, Data and Probability	
(A) Measurement and Data	
CC.2.4.5.A.1 Solve problems using conversions within a given measurement system. (M05.D-M.1.1.1)	SE/TE: Topic 13: 306-307, 308-309, 310-311, 312-313, 314-315, 316-317, 318-319, 320-321 TE: Topic 13: 306A-307B, 308A-309B, 310A-311B, 312A-313B, 314A-315B, 316A-317B, 318A-319B
CC.2.4.5.A.2 Represent and interpret data using appropriate scale. (M05.D-M.2.1.2)	SE/TE: Topic 14: 328-329, 330-331, 332-333, 334-335, 338-339 TE: Topic 14: 328A-329B, 330A-331B, 332A-333B, 334A-335B
CC.2.4.5.A.1 Solve problems using conversions within a given measurement system. (M05.D-M.1.1.1)	SE/TE: Topic 13: 306-307, 308-309, 310-311, 312-313, 314-315, 316-317, 318-319, 320-321 TE: Topic 13: 306A-307B, 308A-309B, 310A-311B, 312A-313B, 314A-315B, 316A-317B, 318A-319B
CC.2.4.5.A.5 Apply concepts of volume to solve problems and relate volume to multiplication and to addition. (M05.D-M.3.1.1, M05.D-M.3.1.2)	SE/TE: Topic 12: 288-289, 290-293, 294-295, 296-297, 298-299 TE: Topic 12: 288A-289B, 290A-293B, 294A-295B, 296A-294B

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to the Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 6	enVisionMATH Common Core Grade 6
Standards of Mathematical Practices	
<p>Make sense of problems and persevere in solving them.</p>	<p><i>enVisionMATH Common Core, Realize Edition</i> is built on a foundation of problem-based instruction that has sense-making at its heart. Each topic includes at least one problem-solving lesson in which students focus on honing their sense-making and problem-solving skills. The problem-solving lessons present to students a process that begins with making sense of the problem. <i>Read and Understand</i>, the first phase of the process, has students ask themselves, <i>What am I trying to find?</i> and <i>What do I know?</i>, questions that will help identify the givens and constraints of the problem. In the second phase, <i>Plan and Solve</i>, students decide on a solution plan. In the final phase, <i>Look Back and Check</i>, students verify that their work is reasonable and reflects the information given. In Grades 3–6, the Problem-Solving Recording Sheet, a reproducible teaching resource, provides a structured outline to help students make sense of the problem and implement a workable solution method. Each lesson begins with Problem-Based Interactive Learning, an activity in which students interact with their peers and teachers to make sense of and decide on a workable solution for a real-world situation. Another feature of each lesson is the set of problem-solving exercises in which students persevere by applying different skills and strategies to solve problems. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP1 animation walks students through making sense of problems and persevering in solving them, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p>

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<p style="text-align: center;">Pennsylvania Common Core Standards Grade 6</p>	<p style="text-align: center;">enVisionMATH Common Core Grade 6</p>
<p>(Continued) Make sense of problems and persevere in solving them.</p>	<p>Located throughout the GRADE 6 program, please see examples:</p> <p>SE/TE: Topic 1: 13, 14; Topic 2: 58; Topic 4: 114, 116; Topic 5: 141, 142; Topic 6: 155; Topic 7: 187, 194; Topic 8: 217; Topic 9: 236, 239; Topic 10: 265, 277; Topic 11: 291, 293; Topic 12: 319, 327; Topic 13: 343, 346; Topic 14: 369, 374</p> <p>TE: Topic 2: 45A; Topic 3: 90B; Topic 6: 152B; Topic 8: 222B</p>
<p>Reason abstractly and quantitatively.</p>	<p><i>enVisionMATH Common Core, Realize Edition</i> provides scaffolded instruction to help students develop both quantitative and abstract reasoning. In the Visual Learning Bridge, students can see how to represent a given situation numerically or algebraically. They will have opportunities later in the lesson to reason abstractly as they endeavor to represent situations symbolically. Reasonableness exercises remind students to compare their work to the original situation. In the Do You Understand? part of the Guided Practice, students gain experiences with quantitative reasoning as they consider the meaning of different parts of an expression or equation. Reasoning problems throughout the exercise sets focus students' attention on the structure or meaning of an operation, for example, rather than merely the solution. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP2 animation walks students through reasoning abstractly and quantitatively, showing students how to understand, apply, and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 6 program, please see examples:</p> <p>SE/TE: Topic 1: 8, 19; Topic 2: 48, 50; Topic 6: 157, 158; Topic 7: 185, 186; Topic 8: 212, 213; Topic 9: 232, 239; Topic 10: 257, 259; Topic 11: 286, 295; Topic 12: 321, 323; Topic 13: 346, 354; Topic 14: 367, 384</p> <p>TE: Topic 3: 81D, 84B; Topic 4: 97B, 100B; Topic 5: 123D, 130B</p>

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Pennsylvania Common Core Standards for Mathematics**

Pennsylvania Common Core Standards Grade 6	enVisionMATH Common Core Grade 6
<p>Construct viable arguments and critique the reasoning of others.</p>	<p>Consistent with a focus on reasoning and sense-making is a focus on critical reasoning – argumentation and critique of arguments. In Pearson’s <i>enVisionMATH Common Core, Realize Edition</i>, the Problem-Based Interactive Learning affords students opportunities to share with classmates their thinking about problems, their solution methods, and their reasoning about the solutions. Many exercises found throughout the program specifically call for students to use reasoning and to justify or explain their solutions. Journal activities in Grades K–2 and Writing to Explain exercises in Grades 3–6 help students develop foundational critical reasoning skills by having them construct explanations for processes. The ability to articulate a clear explanation for a process is a stepping stone to critical analysis and reasoning of both the student’s own processes and those of others. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP3 animation walks students through constructing viable arguments and critiquing the reasoning of others, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 6 program, please see examples:</p> <p>SE/TE: Topic 1: 8, 14; Topic 2: 49, 54; Topic 3: 85, 86; Topic 4: 102, 107; Topic 5: 129, 133; Topic 6: 152, 155; Topic 7: 185, 187; Topic 8: 211, 215; Topic 9: 235, 236; Topic 10: 270, 273; Topic 11: 288, 295; Topic 12: 319, 320; Topic 13: 345, 349; Topic 14: 365, 367</p>

**A Correlation of *enVisionMATH* Common Core to the
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<p align="center">Pennsylvania Common Core Standards Grade 6</p>	<p align="center">enVisionMATH Common Core Grade 6</p>
<p>Model with mathematics.</p>	<p>Students in Pearson’s <i>enVisionMATH Common Core, Realize Edition</i> are introduced to mathematical modeling in the early grades. They first use manipulatives and drawings and then equations to model addition and subtraction situations. The Visual Learning Bridge and Visual Learning Animation often present real-world situations, and students are shown how these can be modeled mathematically. In later grades, students expand their modeling skills to include representations such as tables and graphs, as well as equations. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP4 animation walks students through modeling with mathematics, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 6 program, please see examples:</p> <p>SE/TE: Topic 1: 11, 14; Topic 2: 53, 57; Topic 3: 91; Topic 4: 100; Topic 5: 131, 137; Topic 6: 161, 163; Topic 8: 219, 221; Topic 9: 233; Topic 10: 277; Topic 11: 288; Topic 12: 329, 330; Topic 13: 350, 343; Topic 14: 367, 387</p> <p>TE: Topic 3: 86B; Topic 4: 102B; Topic 7: 184B, 181D; Topic 9: 238B; Topic 10: 256B; Topic 11: 292B</p>

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<p>Use appropriate tools strategically.</p>	<p>Students become fluent in the use of a wide assortment of tools ranging from physical objects, including manipulatives, rulers, protractors, and even pencil and paper, to digital tools, such as Math Tools, calculators, and computers. As students become more familiar with the tools available to them, they are able to begin making decisions about which tools are most helpful in a particular situation. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP5 animation walks students through using appropriate tools strategically, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 6 program, please see examples:</p> <p>SE/TE: Topic 5: 135; Topic 6: 153; Topic 7: 193; Topic 9: 236; Topic 10: 276; Topic 11: 297; Topic 14: 365, 380</p> <p>TE: Topic 1: 20B, 34B; Topic 2: 48B, 50B; Topic 3: 88B; Topic 4: 110B, 114B; Topic 5: 134B; Topic 6: 156B; Topic 7: 186B; Topic 8: 210B, 212B; Topic 9: 240B; Topic 11: 290B; Topic 12: 316B, 330B; Topic 13: 348B, 352B</p>

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<p align="center">Pennsylvania Common Core Standards Grade 6</p>	<p align="center">enVisionMATH Common Core Grade 6</p>
<p>Attend to precision.</p>	<p>Students are expected to use mathematical terms and symbols with precision. Key terms and concepts are highlighted in each lesson. The Problem-Based Interactive Learning activity provides repeated opportunities for children to use precise language to explain their solution paths while solving problems. In the Do You Understand? feature, students revisit these key terms or concepts and provide explicit definitions or explanations. In Grades 3–6, the Writing to Explain and Think About the Structure exercises require students to use precise language to provide clear explanations of terms, concepts, or processes. Students are reminded to use appropriate units of measure in their solutions as well as in labels for diagrams, graphs, and other kinds of displays. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP6 animation walks students through attending to precision, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 6 program, please see examples:</p> <p>SE/TE: Topic 3: 91; Topic 4: 101, 103; Topic 10: 269; Topic 11: 297, 301; Topic 12: 319, 331; Topic 13: 349</p> <p>TE: Topic 1: 2J, 12B; Topic 2: 66B, 72B; Topic 5: 128B, 132B; Topic 6: 164B, 166B; Topic 7: 188B, 198B; Topic 8: 218B, 220B; Topic 9: 232B, 242B; Topic 10: 262B; Topic 13: 344B; Topic 14: 361D, 368B</p>

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Pennsylvania Common Core Standards Grade 6	enVisionMATH Common Core Grade 6
<p>Look for and make use of structure.</p>	<p>Students are encouraged to look for structure as they develop solution plans. In the Look for a Pattern problem-solving lessons, children in the early years develop a sense of patterning with visual and physical objects. As students mature in their mathematical thinking, they look for structure in numerical operations by focusing on place value and properties of operations. This focus on looking for and recognizing structure enables students to draw from patterns as they formalize their thinking about the structure of operations. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP7 animation walks students through looking for and making use of structure, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 6 program, please see examples:</p> <p>SE/TE: Topic 2: 49, 51; Topic 3: 87; Topic 4: 112; Topic 5: 127, 133; Topic 6: 157, 161; Topic 7: 200; Topic 8: 211, 214; Topic 9: 233, 243; Topic 10: 257, 261; Topic 11: 295; Topic 13: 349, 354</p> <p>TE: Topic 1: 2J, 6B; Topic 3: 81A; Topic 4: 97B; Topic 11: 296B; Topic 12: 320B, 322B; Topic 14: 361D, 366B, 370B</p>

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<p align="center">Pennsylvania Common Core Standards Grade 6</p>	<p align="center">enVisionMATH Common Core Grade 6</p>
<p>Look for and express regularity in repeated reasoning.</p>	<p>Students are prompted to look for repetition in computations to help them develop shortcuts and become more efficient problem solvers. Students are reminded to think about problems they have encountered previously that may share features or processes. They are encouraged to draw on the solution plan developed for such problems, and as their mathematical thinking matures, to look for and apply generalizations to similar situations. The Problem-Based Interactive Learning activities offer students opportunities to look for regularity in the way operations behave. In the front of the Student Editions at Grades 3-6, students have access to a Mathematical Practice Handbook as a reference and guide for understanding each of the Mathematical Practice Standards. Additionally, students have access to 8 Mathematical Practice Animations at each grade level. The MP8 animation walks students through looking for and expressing regularity in repeated reasoning, showing students how to understand, apply and connect this Mathematical Practice to lessons.</p> <p>Located throughout the GRADE 6 program, please see examples:</p> <p>SE/TE: Topic 1: 7, 26; Topic 2: 57; Topic 3: 90; Topic 5: 131; Topic 6: 153; Topic 7: 184; Topic 9: 234; Topic 11: 295, 302; Topic 12: 323</p> <p>TE: Topic 2: 45B; Topic 4: 106B; Topic 5: 126B; Topic 6: 154B; Topic 7: 192B; Topic 10: 258B, 260B; Topic 12: 328B; Topic 13: 340B, 350B; Topic 14: 378B, 386B</p>
<p>2.1 Numbers and Operations</p>	
<p>(D) Ratios & Proportional Relationships</p>	
<p>CC.2.1.6.D.1 Understand ratio concepts and use ratio reasoning to solve problems. (M06.A-R.1.1.1, M06.A-R.1.1.2, M06.A-R.1.1.3, M06.A-R.1.1.4, M06.A-R.1.1.5)</p>	<p>SE/TE: Topic 9: 232-233, 234-237, 238-239, 240-241, 242-245, 246-247, 248-249; Topic 10: 256-257, 258-259, 260-261, 262-263, 264-267, 268-271, 272-275, 276-277-278-279; Topic 11: 286-289, 290-291, 292-293, 294-295, 296-299, 300-303, 304-305, 306-307, 308-309</p> <p>TE: Topic 9: 232A-233B, 234A-237B, 238A-239B, 240A-241B, 242A-245B, 246A-247B; Topic 10: 256A-257B, 258A-259B, 260A-261B, 262A-263B, 264A-267B, 268A-271B, 272A-275B, 276A-277B; Topic 11: 286A-289B, 290A-291B, 292A-293B, 294A-295B, 296A-299B, 300A-303B, 304A-305B</p>

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Pennsylvania Common Core Standards Grade 6	enVisionMATH Common Core Grade 6
(E) The Number System	
CC.2.1.6.E.1 Apply and extend previous understandings of multiplication and division to divide fractions by fractions. (M06.A-N.1.1.1)	SE/TE: Topic 6: 156-157, 158-159, 160-161, 162-163, 164-165, 166-167, 174-175 TE: Topic 6: 156A-157B, 158A-159B, 160A-161B, 162A-163B, 164A-165B, 166A-167B
CC.2.1.6.E.2 Identify and choose appropriate processes to compute fluently with multi-digit numbers. (M06.A-N.2.1.1)	SE/TE: Topic 1: 16-17; Topic 4: 100-101, 102-103, 106-109, 110-113; Topic 5: 126-127, 128-129, 130-131, 132-133, 134-135, 140-143 TE: Topic 1: 16A-17B; Topic 4: 100A-101B, 102A-103B, 106A-109B, 110A-113B; Topic 5: 126A-127B, 128A-129B, 130A-131B, 110A-113B, 132A-133B, 134A-135B, 140A-143B
CC.2.1.6.E.3 Develop and/or apply number theory concepts to find common factors and multiples. (M06.A-N.2.2.1, M06.A-N.2.2.2)	SE/TE: Topic 1: 16-17; Topic 4: 100-101, 102-103, 106-109, 110-113, 118-119; Topic 6: 152-153, 154-155, 174-175, 176-178 TE: Topic 1: 16A-17B; Topic 4: 100A-101B, 102A-103B, 106A-109B, 110A-113B; Topic 6: 152A-153B, 154A-155B
CC.2.1.6.E.3 Develop and/or apply number theory concepts to find common factors and multiples. (M06.A-N.2.2.1, M06.A-N.2.2.2)	SE/TE: Topic 1: 16-17; Topic 4: 100-101, 102-103, 106-109, 110-113, 118-119; Topic 6: 152-153, 154-155, 174-175, 176-178 TE: Topic 1: 16A-17B; Topic 4: 100A-101B, 102A-103B, 106A-109B, 110A-113B; Topic 6: 152A-153B, 154A-155B
2.2. Algebraic Concepts	
(B) Expressions and Equations	
CC.2.2.6.B.1 Apply and extend previous understandings of arithmetic to algebraic (M06.B-E.1.1.1, M06.B-E.1.1.2, M06.B-E.1.1.3, M06.B-E.1.1.4, M06.B-E.1.1.5)	SE/TE: Topic 1: 6-9, 10-11, 12-15, 18-19, 20-21, 22-23, 24-25, 26-27, 28-29, 30-31, 32-33, 34-37, 38-39, 40-41; Topic 2: 50-51, Topic 5: 136-137, Topic 6: 168-169 TE: Topic 1: 6A-9B, 10A-11B, 12A-15B, 18A-19B, 20A-21B, 22A-23B, 24A-25B, 26A-27B, 28A-29B, 30A-31B, 32A-33B, 34A-37B; Topic 2: 50A-51B; Topic 5: 136A-137B; Topic 6: 168A-169B

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CC.2.2.6.B.2 Understand the process of solving a one-variable equation or inequality and apply to real-world and mathematical problems. (M06.B-E.2.1.1, M06.B-E.2.1.2, M06.B-E.2.1.3 M06.B-E.2.1.4)	<p>SE/TE: Topic 2: 48-49, 52-55, 56-59, 60-63, 64-65, 66-67, 68-71, 72-75, 76-77; Topic 3: 88-89, 90-91, 92-93; Topic 4: 104-105, 114-117, 118-119; Topic 5: 138-139; Topic 6: 170-171; Topic 8: 222-223</p> <p>TE: Topic 2: 48A-49B, 52A-55B, 56A-59B, 60A-63B, 64A-65B, 66A-67B, 68A-71B, 72A-75B; Topic 3: 88A-89B, 90A-91B; Topic 4: 104A-105B, 114A-117B; Topic 5: 138A-139B; Topic 6: 170A-171B; Topic 8: 222A-223B</p>
CC.2.2.6.B.3 Represent and analyze quantitative relationships between dependent and independent variables. (M06.B-E.3.1.1, M06.B-E.3.1.2)	<p>SE/TE: Topic 3: 84-85, 86-87, 92-93; Topic 8: 218-219, 220-221</p> <p>TE: Topic 3: 84A-85B, 86A-87B; Topic 8: 218A-219B, 220A-221B</p>
(C) Functions	
2.3. Geometry	
(A) Geometry	
CC.2.3.6.A.1 Apply appropriate tools to solve real-world and mathematical problems involving area, surface area, and volume. (M06.C-G.1.1.1, M06.C-G.1.1.2, M06.C-G.1.1.3, M06.C-G.1.1.4, M06.C-G.1.1.5, M06.C-G.1.1.6)	<p>SE/TE: Topic 12: 316-319, 320-321, 322-323, 324-325, 326-327, 328-329; Topic 13: 340-343, 344-347, 348-349, 350-351, 352-355, 356-357</p> <p>TE: Topic 12: 316A-319B, 320A-321B, 322A-323B, 324A-325B, 326A-327B, 328A-329B, 330A-331B; Topic 13: 340A-343B, 344A-347B, 348A-349B, 350A-351B, 352A-355B</p>
2.4 Measurement, Data and Probability	
(B) Statistics and Probability	
CC.2.4.6.B.1 Demonstrate an understanding of statistical variability by displaying, analyzing, and summarizing distributions. (M06.D-S.1.1.1, M06.D-S.1.1.2, M06.D-S.1.1.3, M06.D-S.1.1.4)	<p>SE/TE: Topic 14: 364-365, 366-367, 368-369, 370-371, 372-375, 376-377, 378-381, 382-385, 386-387, 388-389, 390-391, 392-393</p> <p>TE: Topic 14: 364A-365B, 366A-367B, 368A-369B, 370A-371B, 372A-375B, 376A-377B, 378A-381B, 382A-385B, 386A-387B, 388A-389B</p>