



TECHNOLOGY OVERVIEW

Mathematics I • Mathematics II • Mathematics III

Pearson Integrated High School Mathematics Common Core ©2014



Interactive Digital Math for the Common Core Integrated Pathway... Supported by Smart Print Tools

100% Engaging

Pearson Integrated High School Mathematics Common Core ©2014 uses an **Interactive Digital Path** to support learners. Students have full access to animated lessons, dynamic activities, interactive math tools, tutorial videos, and other digital resources. Teachers enjoy resources designed to save time and promote learning, including interactive whiteboard-ready digital lessons, an online lesson planner, a complete classroom management system, worksheets, and more. This program is interactive and personalized. It's 100% engaging.

FROMETHEAN

Launch — Instruction — Practice — Self Assessment

● Solve It!

Solve It! Getting Ready!

Two professional downhill skiers are racing at the speeds shown in the diagram. Skier 1 starts 5 s before Skier 2. The course is 5000 ft long. Will Skier 2 pass Skier 1? How do you know?

$$\frac{5000 \text{ ft}}{100 \text{ ft/s}} = 50 \text{ s}$$

Skier 1 100 ft/s **Skier 2** 110 ft/s

How long does it take Skier 1 to finish the course? Explain.
Skier 1 travels 5000 ft at 100 ft/s, which takes $5000 \div 100 = 50$ s.


3 of 4

Interactive Digital Lessons

Rigorous digital lessons, plus interactive math tools and dynamic activities, bring mathematical concepts to life.

Digital Tools for Digital Natives

4-1 Solving Systems by Graphing

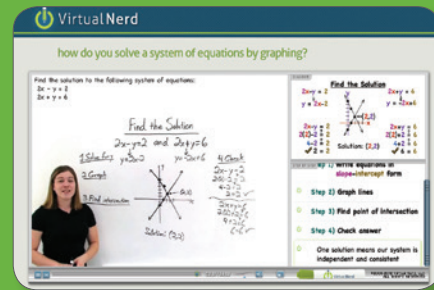


Objectives To solve systems of equations by graphing
To analyze special systems

Solve It! Write your solution to the Solve It in the space below.

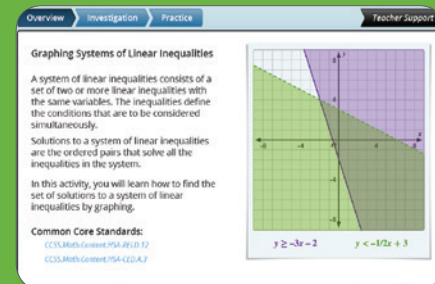
Two or more linear equations form a **system of linear equations**. Any ordered pair that makes all of the equations in a system true is a **solution of a system of linear equations**.

Reading You can use systems of linear equations to model



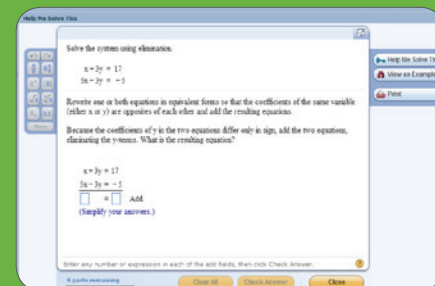
Virtual Nerd Tutorial Videos

Anytime, anywhere lesson support! Students scan the QR codes in their Write-In Student Worktext to link to these interactive video tutorials on the go. When accessed online via the Interactive Digital Path, students can drill down to review prerequisite content, plus access the tutorial videos in three different viewing windows: Explanatory Video, Diagram, or Step-by-Step Solution.



Dynamic Activities

Dynamic Activities let your students explore mathematical concepts in a hands-on digital environment to promote inquiry-based learning.



InteractMath.com

Offers unlimited online practice and homework help for daily lessons with built-in tutorials and scaffolded support.

Write-In Student Worktext

Students create a personalized artifact of their own learning every day. They develop solution plans for lesson problems and record detailed stepped-out examples for each exercise. As students work out solutions in their worktext, they demonstrate conceptual understanding and procedural fluency of the lesson content—and develop their own learning guide they can review at any time. Plus, using a smartphone or tablet, they can even scan QR codes in their worktext and link to Virtual Nerd™ Tutorial Videos.

1 Interactive Learning

Solve It!

PURPOSE To determine if two linear equations that represent a real-world situation intersect within a specified domain

PROCESS Students may make a table of values, use the formula $r = t + d$, or write a linear equation to model each skier.

Q How long does it take Skier 1 to finish the course? Skier 2? Explain. (30 s; He travels 100 feet every second; 45.46 s; He travels 110 feet every second.)

Q If a stopwatch starts when Skier 1 leaves the chute, what will the stopwatch read when Skier 1 crosses the finish line? when Skier 2 crosses the finish line? (30 s; 50.46 s.)

ANSWER No; Skier 1 will reach the finish line 50 ft ahead of Skier 2; explanations may vary.

CONNECT THE MATH The speeds are like the slopes of lines. When two lines have different slopes, the lines intersect. The point of intersection represents when one skier catches up with the other skier.

Lesson 4-1 221

Teacher's Guide

During instruction, you can always refer to the Teacher's Guide point-of-use questioning strategies, designed to develop mathematical understanding. Pearson has unique scaffolded support that helps you assist students in connecting the mathematical content standards to the Standards for Mathematical Practice.

Technology Components for Students






Log-on now to preview the online components.

Go to **PearsonSuccessNet.com** and fill in the information below.

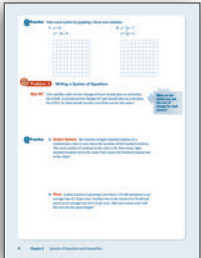
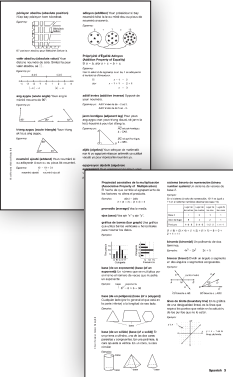
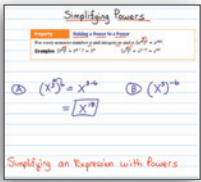
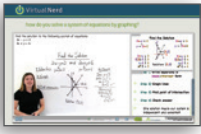

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Password: pearsonCCSS1

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TITLE	COMPONENTS	DESCRIPTION
Pearson SuccessNet®		PearsonSuccessNet.com serves as the portal into the digital world of <i>Pearson Integrated High School Mathematics Common Core</i> ©2014. ALL online components are easily accessible in this central location. Online access includes a wealth of assets, such as the complete Write-In Student Worktext, worksheets, interactive online activities, My Math Videos, and online assessments with remediation.
MyMath Video Available via Pearson SuccessNet		Student-Generated Chapter Opener Videos: <ul style="list-style-type: none"> • Motivate students through real-world connections • Video illustrations of critical mathematics concepts and real-world applications • YouTube®-style videos relevant and engaging to today's 21st century learners
Interactive Lessons for Every Section Available via Pearson SuccessNet and on the Digital Lesson DVD for offline access		Solve It!: Interactive lesson opening problem Dynamic Activity: Digital manipulatives for exploration, available for selected lessons where appropriate Instruction: All lesson problems are stepped out with detailed instruction. Navigate between lesson problems with a simple click! Practice: View Practice problems from the Write-In Student Worktext digitally Assessment: A student self-check quiz with answers is included for every lesson Vocabulary: Interactive Glossary in English and Spanish with audio
Math Tools Available via Pearson SuccessNet		Math Tools help students explore and visualize concepts. <ul style="list-style-type: none"> • Online Graphing Utility • Interactive Number Line • Algebra Tiles • 2D Geometric Constructor • 3D Geometric Constructor
MathXL® for School Available via Pearson SuccessNet		Partial functionality of the powerful online tutorial program MathXL® forSchool is included within the Interactive Digital Path as a resource for mid-chapter and chapter review. Most problems are short answer problems that require students to actually "do the math." There are three options once a problem is started: <ol style="list-style-type: none"> 1) Work through the problem and receive instant feedback. 2) "Help Me Solve This"—interactive tutorial supports the development of understanding. Once the tutorial is finished a new problem regenerates for additional support or independent practice. 3) "View an Example"—a similar problem is displayed with step-by-step instruction



TITLE	COMPONENTS	DESCRIPTION
<p>Mobile eText Write-In Student Worktext</p> <p>Available online via PearsonSuccessNet.com, iPad® or Android™</p>		<p>This Mobile eText version of the Write-In Student Worktext is available online and on both iPad and Android tablets. Mobile eText features include: full-text search, highlights, notes, bookmarks, support for multimedia content, and an interactive glossary.</p>
<p>Online Multilingual Handbook</p> <p>Available via Pearson SuccessNet</p>		<p>The Online Multilingual Handbook contains glossary terms in 10 different languages along with visual representations for the following languages:</p> <ul style="list-style-type: none"> • English • Cambodian • Cantonese • Haitian Creole • Korean • Spanish • Vietnamese • Hmong • Filipino • Mandarin
<p>Homework Video Tutors (in English and Spanish)</p> <p>Available via Pearson SuccessNet</p>		<p>Homework Video Tutors walk students through step-by-step explanations of every lesson concept and sample homework exercises providing opportunities for guided practice. Homework Video Tutors also double as a reteaching/remediation tool or for students who are absent from class.</p>
<p>Virtual Nerd Tutorial Videos</p> <p>Available via Pearson SuccessNet</p>		<p>Students can scan the QR code in their Write-In Student Worktext or choose Virtual Nerd Tutorial Videos from the table of contents within the Interactive Digital Path to access. When accessed online via the Interactive Digital Path, students can drill down to review prerequisite content, plus access the tutorial videos in three different viewing windows: Explanatory Video, Diagram, or Step-by-Step Solution.</p>
<p>SuccessTracker</p> <p>Available via Pearson SuccessNet</p>		<p>SuccessTracker™, Pearson's online assessment and remediation system, provides instant analysis of student performance with assessments and reports correlated to the Common Core State Standards. Students receive instant results and remediation in multiple modalities including video, tutorials, audio, games, and worksheets.</p>

Technology Components for Teachers




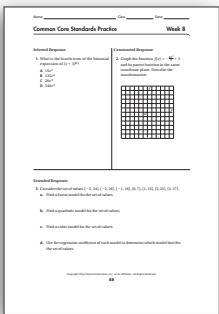

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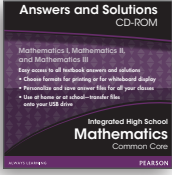

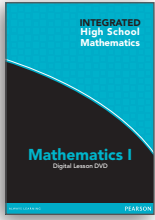
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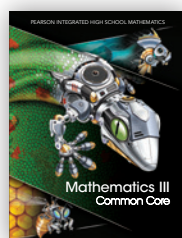
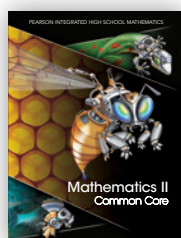
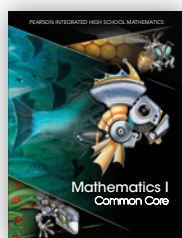
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TITLE	COMPONENTS	DESCRIPTION
<p>Pearson SuccessNet®</p>		<p>PearsonSuccessNet.com serves as the portal into the digital world of <i>Pearson Integrated High School Mathematics Common Core</i> ©2014. ALL online components are easily accessible in this central location.</p>
<p>Online Classroom Management Resources for Teachers Available via Pearson SuccessNet</p>		<p>Lesson Planner includes editable lesson plans that help you teach to the Common Core State Standards.</p> <p>Class Rosters can be entered manually or by importing a student roster.</p> <p>Online Assessments are preloaded and include Common Core benchmark assessments, diagnostic assessments for each chapter, chapter tests, and lesson quizzes.</p> <p>Reports track student and class performance by test scores, item analysis, and mastery of the Common Core State Standards.</p>
<p>SuccessTracker™ Available via Pearson SuccessNet</p>		<p>The SuccessTracker™ online assessment system provides instant analysis of student performance with assessments and reports correlated to the Common Core State Standards. SuccessTracker includes built-in lesson level, chapter level, and progress monitoring assessments. The software diagnoses student success, prescribes automatic remediation, and reports on student and class progress. Then, remediation is provided in multiple formats: video, tutorials, audio, games, and worksheets.</p>
<p>Assessment Resources Available via Pearson SuccessNet</p>		<p>Available online, this resource includes all diagnostic, formative, and summative in one location.</p> <ul style="list-style-type: none"> • Common Core Screening Test • Common Core Readiness Assessments • Common Core Performance Based Assessments • Common Core End-of-Course Assessment • Answers <p>Weekly Common Core Standards Practice: 30 weeks of Common Core practice problems, similar in format and question type to next-generation assessments.</p>
<p>Teacher's Guide mobile eText Available online via PearsonSuccessNet.com, iPad® or Android™</p>		<p>The Teacher's Guide mobile eText is available online and on both iPad and Android tablets.</p> <p>Mobile eText features include:</p> <ul style="list-style-type: none"> • Fidelity to the original textbook display • Interactive table of contents • Go to page, zoom, next/previous page navigation • Personalized notes, highlights, bookmarks • Text search and search history within a title

TITLE	COMPONENTS	DESCRIPTION
<p>Online Teacher Resources (including editable worksheets) Available via Pearson SuccessNet</p>		<p>All Online Teacher Resources are available by chapter.</p> <ul style="list-style-type: none"> • Leveled Practice Forms G and K (editable) • Reteaching • Additional Vocabulary Support • Activities, Games, and Puzzles • Standardized Test Prep • Enrichment • Lesson Quiz (editable) • Think About a Plan (editable) • Teaching with TI Technology • Performance Tasks • Chapter Project • Chapter Quiz Forms G and K • Chapter Test Forms G and K • Answer Keys
<p>Answers and Solution CD-ROM</p>		<p>Available on CD-ROM, Answers and Solutions provides easy access to all textbook answers AND solutions.</p> <ul style="list-style-type: none"> • Choose formats for printing or for whiteboard display • Personalize and save answer files for all classes
<p>ExamView® Assessment Suite CD-ROM</p>		<p>The most powerful test generator available—with the most comprehensive test banks correlated to the Common Core State Standards.</p> <ul style="list-style-type: none"> • QuickTest Wizard to build assessments in seconds • Correlated to the Common Core State Standards—easily create benchmark assessments • Modify tests quickly and easily • Math Art Gallery to import images into your assessments • Edit and modify existing practice worksheets and chapter assessments • Compatible with Classroom Performance Systems and Learning Management Systems • Features include: two-column formatting, publishing tests to the internet, updated style gallery, and much more
<p>Digital Lesson DVD</p>		<p>This Digital Lesson DVD includes offline access to all lessons from the Interactive Digital Path. All precreated lesson content is interactive whiteboard-ready!</p>

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Teacher Resources: Print, Online, and DVD



	PRINT	ONLINE	CD-ROM/DVD
Write-In Student Worktext (also available as mobile eText)	x	x	
Teacher's Guide (also available as mobile eText)	x	x	
Common Core Overview and Implementation Guide	x		
Think About a Plan (Editable)		x	
Practice Form G (Editable)		x	
Practice Form K (Editable)		x	
Standardized Test Prep		x	
Find the Errors!		x	
Enrichment		x	
Additional Vocabulary Support		x	
Activities, Games, and Puzzles		x	
Reteaching		x	
Lesson Quiz (Editable)		x	
Chapter Project		x	
Performance Tasks		x	
Homework Video Tutors (in English and Spanish)		x	
Virtual Nerd Tutorial Videos		x	
Multilingual Handbook		x	
Quizzes and Tests Form G		x	
Quizzes and Tests Form K		x	
Weekly Common Core Standards Practice		x	
Common Core Readiness Assessments		x	
Common Core Performance-Based Assessments		x	
Common Core End-of-Course Assessment		x	
Teaching with TI Technology		x	
Answers and Solutions CD-ROM			x
ExamView® Assessment Suite CD-ROM			x
Digital Lesson DVD			x

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800-848-9500

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SAM: 978-0-1332-9800-0

Go to PearsonSuccessNet.com for access to the online resources. See pages 4 or 6 for demo access.

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