



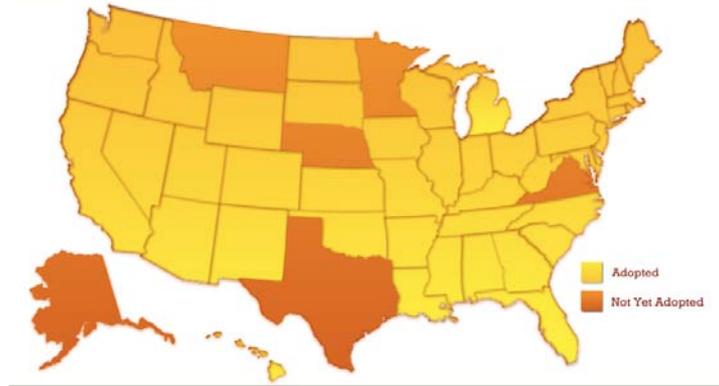
Common Core State Standards for *Mathematics*

Why Standards?

Why Common Core Standards?

- ▶ **Standards** provide a shared vision of what students should know and be able to do.
- ▶ **Standards** provide a shared vision for teachers and administrators
- ▶ ***Common Core State Standards*** establish consistency across the states

Common Core State Standards



- ▶ National standards adopted by 46 states
- ▶ States choosing to align their standards to the Common Core Standards have agreed that the common core will represent at least 85 percent of their state's standards in ELA and mathematics

What are the Common Core State Standards?

- Aligned with college and work expectations
 - Focused and coherent
 - Include rigorous content and application of knowledge through high-order skills
 - Build upon strengths and lessons of current state standards
 - Internationally benchmarked so that all students are prepared to succeed in our global economy and society
 - Based on evidence and research
- 

Common Core Math Standards

Focus and coherence

- Focus on key topics at each grade level.
- Coherent progressions across grade levels.

Balance of concepts and skills

- Content standards require both conceptual understanding and procedural fluency.

Mathematical practices

- Foster reasoning and sense-making in mathematics.

College and career readiness

- Level is ambitious but achievable.
- 

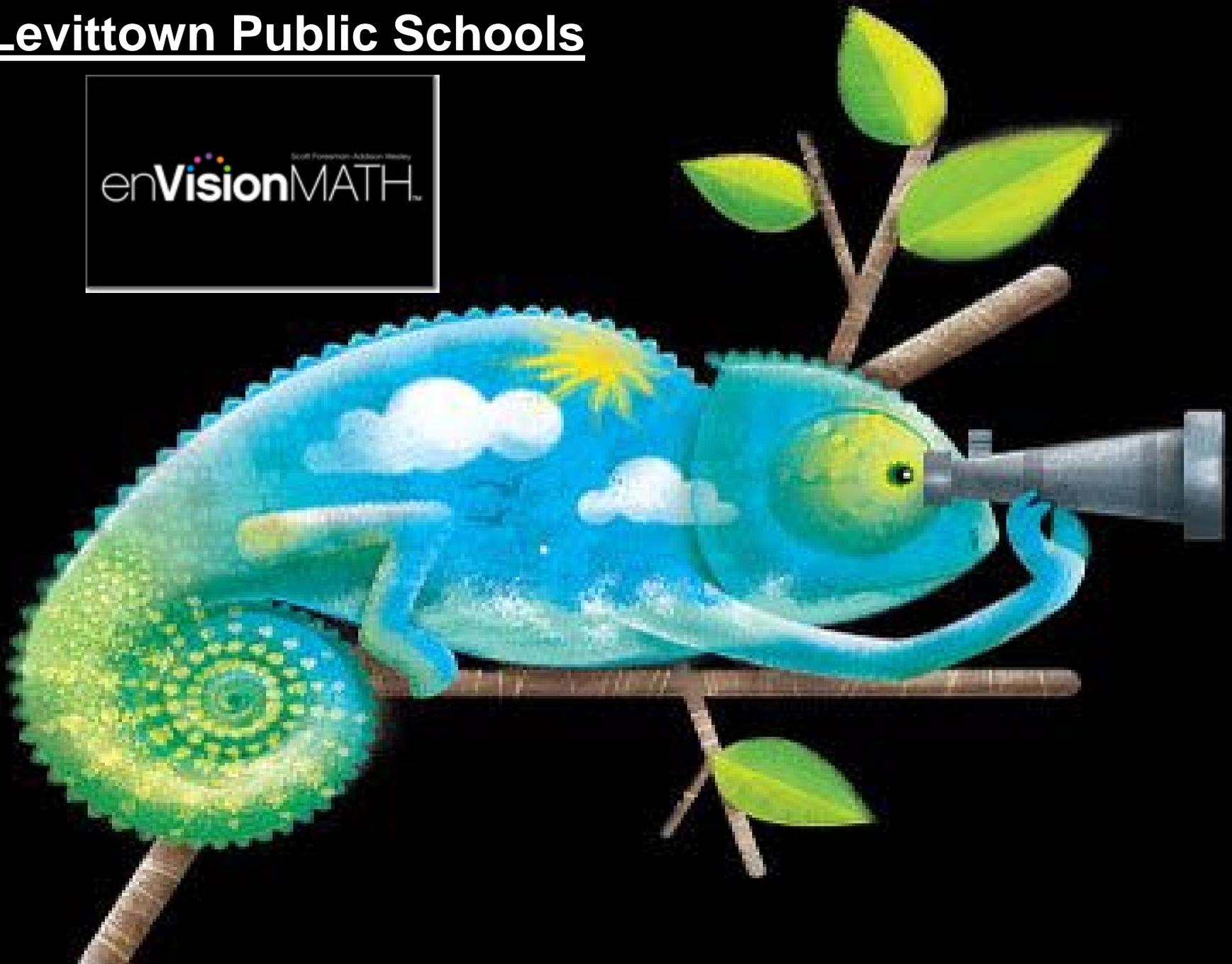
Math Changes



- Fewer topics; more generalizing and linking of concepts
- Well-aligned with the way high-achieving countries teach math
- Emphasis on both conceptual understanding and procedural fluency starting in the early grades
- More time to teach and reinforce core concepts from K-12
- Focus on mastery of complex concepts in higher math (e.g., algebra and geometry) via hands-on learning
- Emphasis on mathematical modeling in the upper grades

Levittown Public Schools

enVisionMATH[™]
Scott Foresman - Addison Wesley





About the program

enVision Math Pearson

- Program being used across the country which deepens conceptual understanding by making meaningful connections with Students
- Revised to align to Common Core Standards
- Delves deeper into topics to achieve mastery
- Research based

Highlights:

- Home/School Connection for each Unit
- Individual Lessons for Student/Parent References
- Daily Home Connection/Home Activity
- Differentiated Instruction
- Incorporates Reading Comprehension and Problem Solving
- Problem Based Interactive Learning
- Assessments with Items Analysis
- Performance Assessments
- Online component

Success for every student!



What has changed...

	THEN...	NOW...
Manipulatives	<ul style="list-style-type: none">• Hands-on manipulatives for use in the classroom	<ul style="list-style-type: none">• Technology for easy hands-on lessons with teacher strategies and digital manipulatives
Supplemental Videos	<ul style="list-style-type: none">• Some VHS/DVD available to support topics, however did not exactly match lessons.	<ul style="list-style-type: none">• Interactive videos aligned to each concept
Language	<ul style="list-style-type: none">• Lack of emphasis on consistent vocabulary	<ul style="list-style-type: none">• Unified language across the grade levels
Resources	<ul style="list-style-type: none">• Textbook/Workbook	<ul style="list-style-type: none">• Colorful, interactive paper lessons in lieu of textbook assignment.• Online resources to supplement instruction
Accessibility	<ul style="list-style-type: none">• Books taken home	<ul style="list-style-type: none">• Lessons sent home daily with suggestions for home connection

Typical Classroom Lesson

- Literature connection at the start of a unit
- Read Big Book
- Interactive Math story
- Teacher directed opener on each sheet (hands on) →
- Video explaining topic
https://www.pearsonsuccessnet.com/snpapp/learn/navigatelDP.do?method=toc&newServiceId%20=10363&product_isbn=0-328-70274-9
- Guided practice
- Independent work
- Word problems →
- Journal →



**It's time to pick up toys.
 Jan and Dan work together.
 How many toys are left to pick up?
 15 - 6 = _____**

Assessments and Follow Up

• Quick Checks

• Home internet feedback

• Homework

• Tests

Name _____

Quick Check
9-2

Subtract. Use cubes and a workmat to help.

1.
$$\begin{array}{r} 58 \\ - 9 \\ \hline \end{array}$$

(A) 17

(B) 37

(C) 49

(D) 57

2.
$$\begin{array}{r} 71 \\ - 6 \\ \hline \end{array}$$

(A) 77

(B) 75

(C) 67

(D) 65

3.
$$\begin{array}{r} 39 \\ - 2 \\ \hline \end{array}$$

(A) 27

(B) 37

(C) 47

(D) 49

4.
$$\begin{array}{r} 63 \\ - 7 \\ \hline \end{array}$$

(A) 56

(B) 55

(C) 54

(D) 46

5.
$$\begin{array}{r} 84 \\ - 5 \\ \hline \end{array}$$

(A) 51

(B) 69

(C) 79

(D) 81

6.
$$\begin{array}{r} 22 \\ - 4 \\ \hline \end{array}$$

(A) 22

(B) 18

(C) 14

(D) 12

7. **Writing in Math** Write a subtraction story about $45 - 8$. Regroup if needed to solve.

Home School Connection



Home-school Connection

- Student worksheet with parent connection located at the bottom
- Unit opener page
- Internet connection
 - Fun manipulatives
 - Games
 - Helpful videos
 - Quizzes
 - Homework sheets
 - Printable student worksheet
 - Glossary of terms



Name _____

© DOMAIN Number and Operations in Base Ten

Topic
9

Subtracting Two-Digit Numbers

Review What You Know

Subtract. Use mental math.

1. $58 - 30 = \underline{28}$

2. $74 - 40 = \underline{34}$

Add on to subtract.

3. $13 - 8 = \underline{5}$

$8 + \underline{5} = 13$

4. $16 - 7 = \underline{9}$

$7 + \underline{9} = 16$



Topic 9

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Home-School Connection

Dear Family,

Today my class started Topic 9, **Subtracting Two-Digit Numbers**.

I will learn how to regroup 1 ten into 10 ones, and I will subtract two-digit numbers. Here are some things we can do to help me with my math.

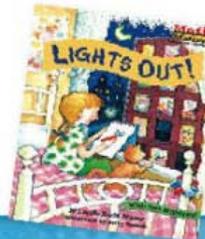
Love,



Book to Read

Reading math stories reinforces concepts. Look for this title in your local library:

Lights Out!
By Lucille Recht Penner
(Kane Press, 2000)



Home Activity

Gather checkers or other small game pieces. Let one color equal ten and the other color equal one. Give your child a ten and have him or her give you 10 ones. Then model numbers such as 33 with your pieces (use 3 tens pieces and 3 ones pieces) and ask your child to replace one of the tens with ones (show 2 tens pieces and 13 ones pieces).



two hundred fifty-three 253

Home Games

Break Down the Tens

Number of players: 2

How to Play

- Each player should have 35 cubes: 3 rods of 10 connecting cubes and 5 loose cubes.
- Take turns. Spin the spinner marked "Subtract". If you can subtract that number from the total number of your cubes without regrouping, then take that number of cubes off the board.
- If you need to regroup to find the answer, then spin the other spinner. If you get "Regroup a Ten", then take a 10-rod from your side of the board and put the loose cubes in your playing space to do the problem.
- Play until you don't have enough ones to subtract.

Tens

Ones

Tens

Ones

Subtract

What You Need

- 35 connecting cubes per child
- 2 paper clips
- 1 pencil

two hundred fifty-four 254

Additional Home School Connection activities

Name _____

Models to Subtract Two- and One-Digit Numbers

Tens	Ones

1.

Tens	Ones

—

Regroup?
Yes No

2.

Tens	Ones

—

Regroup?
Yes No

3.

Tens	Ones

—

Regroup?
Yes No

2.NBT.5 Fluently add and subtract within 100 using strategies based on place value, properties of operations, and/or the relationship between addition and subtraction. Also **2.NBT.9**

Home Connection Your child used connecting cubes to model subtracting a one-digit number from a two-digit number, with and without regrouping. Then your child recorded the subtraction.

Home Activity Write $22 - 6$ in vertical form on a piece of paper. Ask your child to show you how to subtract $22 - 6$ using small objects such as paper clips, buttons, or marbles. Have your child write the difference.

259

Student Log-in



The screenshot shows the Pearson SuccessNet student log-in page. At the top left is the Pearson SuccessNet logo. At the top right are links for Help, Parents, About, and Logout. A white banner in the center says "Hello, Ryann from New York!". Below this is a large black banner with the "enVisionMATH" logo, which includes a colorful frog illustration. Underneath the logo, it says "enVisionMATH Common Core G2". To the right of the logo is a "To Do" button with a pencil icon. Below the main banner is a "My Books" button. At the bottom, there is a footer with the Pearson logo and copyright information: "Copyright © 2005-2010 by Pearson Education. All rights reserved. Please read our [Privacy Statement](#) and [Terms of Use](#)."

- Easy Log-In
- Log-In ID's are provided by the teacher to each student
- Click "To Do" to enter assignment page

Success for every student!

Assignment Page



Pearson SuccessNet™

Home My Work Explore

Help Parents About Logout

To Do Done Notebook

enVisionMATH

To Do Page 1 of 2

Assignment	Due Date	Assigned By	
 Visual Learning Animation: Models to Subtract Two- and One-Digit Numbers	01/14/2012	Mrs. Anspach	I'm Done
 Visual Learning Animation: Models to Subtract Two-Digit Numbers	01/14/2012	Mrs. Anspach	I'm Done
 Visual Learning Animation: Problem Solving: Two-Question Problems	01/14/2012	Mrs. Anspach	I'm Done
 Visual Learning Animation: Regrouping 1 Ten for 10 Ones	01/14/2012	Mrs. Anspach	I'm Done
 Visual Learning Animation: Subtracting on a Number Line	01/14/2012	Mrs. Anspach	I'm Done
 Visual Learning Animation: Subtracting Two- and One-Digit Numbers	01/14/2012	Mrs. Anspach	I'm Done

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Success for every student!

Unit Videos



Pearson SuccessNet™ Home My Work Explore Help Parents About Logout

Table of Contents Search

enVisionMATH

Table of Contents

Topic						
<p>Topic 1</p>  <p>Understanding Addition and Subtraction</p>	<p>Topic 2</p>  $3 + 0$ <p>Addition Strategies</p>	<p>Topic 3</p>  $8 - 2$ <p>Subtraction Strategies</p>				
<p>Topic 4</p>  <p>Working with Equal Groups</p>	<p>Topic 5</p>  <p>Place Value to 100</p>	<p>Topic 6</p>  $56 + 30$ <p>Mental Addition</p>				
<p>Topic 7</p>  $63 - 20 = \underline{\quad}$ <p>Mental Subtraction</p>	<p>Topic 8</p>  <table border="1"><thead><tr><th>Tens</th><th>Ones</th></tr></thead><tbody><tr><td> </td><td> </td></tr></tbody></table> <p>Adding Two-Digit Numbers</p>	Tens	Ones			<p>Topic 9</p>  $34 - 6 = ?$ <p>Subtracting Two-Digit Numbers</p>
Tens	Ones					

Success for every student!

enVision Math on the go...

Speed Games Information



News!

Speed Games App for the iPad Now Available!

Date: 06-01-11

Download the app from the [iTunes Store](#) for free for a limited time. For more information about the app click [here](#).

Description

The SuccessMaker Speed Games iPad app is designed for students in grades 1-6 to practice the basic math facts in addition, subtraction, multiplication, and division. These exercises build automaticity, allowing students to practice recalling math facts in a fast-paced setting. There are a total of 48 Speed Game levels, which equates to 12 for each operation. The app is local to the device so it does not require an internet connection. It is designed as a pass and play game for players to play against each other by comparing their high scores.

Parents

Educational Value

We've taken the best part of SuccessMaker and created a fun app to help kids practice math while on-the-go! Speed Games for the iPad enables kids to practice basic math facts in addition, subtraction, multiplication, and division. These exercises build automaticity, allowing them to recall math facts quickly. There are a total of 48 Speed Game levels; 12 for each operation.

Troubleshooting Ideas

- Check your web address
- Go to enVision website for help
- Be sure that your browser is updated to most recent version (Firefox 4, Internet Explorer 8/9, etc.)
- Check user name and password
- Call the Pearson Help Desk at 800-234-5832



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Success for every student!

Questions & Open Discussion

