

Introducing Topics

Introduction This guide discusses the first part of the enVisionMATH Florida instructional design: Introducing Topics. It covers how to assess for topic readiness. The guide also explains the Topic Opener activities for primary and intermediate grade levels.

Assess Topic Readiness Turn to the Topic Opener page in the Topic Teacher’s Edition. Look at the Review What You Know section. The problems in this section provide a quick topic readiness assessment. In-depth Topic Readiness Tests can also be found online.

At the bottom of the page, there is an item analysis chart. This chart provides a summary of the objective for each problem.

Item Analysis for Diagnosis and Intervention		
Objective	Items	Intervention System
Recall the definitions of addends, difference, factors, and product.	1–3	B43, B44
Write fact families for addition and subtraction.	4–6	C27
Multiplication Facts	7–9	B47, B48
Understand and create equal groups.	10	B44

Find references to intervention lessons in the Florida Diagnosis and Intervention System.

Topic Opener Activities Once topic readiness has been assessed, it is time to introduce the new math topic. The purpose of the Topic Opener activity is to engage students and build background knowledge to prepare them for the math content to come.

Primary Grades For the primary grades, the Interactive Math Story sets the stage for the lessons ahead. Teachers can read the story from the Big Book or use a computer to show the Interactive Math Story Animation. The blackline masters of the story are in the Topic Pouch to provide each student with a copy of the story, which increases engagement. The Topic Teacher’s Edition suggests ways students can read, gesture, color, write, and speak to show their understanding of the math in the story.

Intermediate Grades The Topic Opener pages in the Intermediate grade textbooks provide intriguing questions. Students will learn the answers to these questions as they complete the lessons. Teachers can also show a thought-provoking Topic Video to the whole class that provides a real-world example of the math concept. The videos are available on the online Student Edition.

All Grades

The Home-School Connection letter provides a quick overview of the content that students will be learning in the next week or two. Read the Home-School Connection letter to students and have them sign it.

Name _____

Topic 4

Understanding Subtraction

Review What You Know

1. Bob picks 5 carrots. Ella picks 3 carrots. How many carrots are picked in all? Write an addition sentence.

$$5 + 3 = 8$$

2. Write the numbers to match the picture.

9 is 3 and 6.

3. Circle **less than** or **is greater than**.

4 is less than 3.

Home-School Connection

Dear Family,

Today my math class started Topic 4, Understanding Subtraction. The Topic Essential Question we will answer is:

- What are different ways to think about subtraction?
- What are different ways to think about subtraction?

Love,

Book to Read

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

Home Activity

Sing a backward counting song, using your fingers to show the action.

My New Math Words:

subtract
You can subtract a part from the whole to find the missing part.

Five minus three equals two.

$$5 - 3 = 2$$

difference
The difference is the amount that is left after you subtract.

$$4 - 1 = 3$$

The difference is 3.

subtraction sentence
A subtraction sentence is a way to show a subtraction problem.

Seven minus three equals four.

$$7 - 3 = 4$$

↑ minus sign ↓ equal sign

The primary Topic Opener page also has a game board with instructions for playing the game. This provides a practice opportunity of foundational math skills. The Home-School Connection letter and game activity for intermediate grades are in the Topic Pouch.

Review

This guide introduced the enVisionMATH Florida topics and discussed assessing for topic readiness. This guide also looked at the Topic Opener activities available for primary and intermediate grade levels.

For more information, please watch the other enVisionMATH tutorials on this Web site.