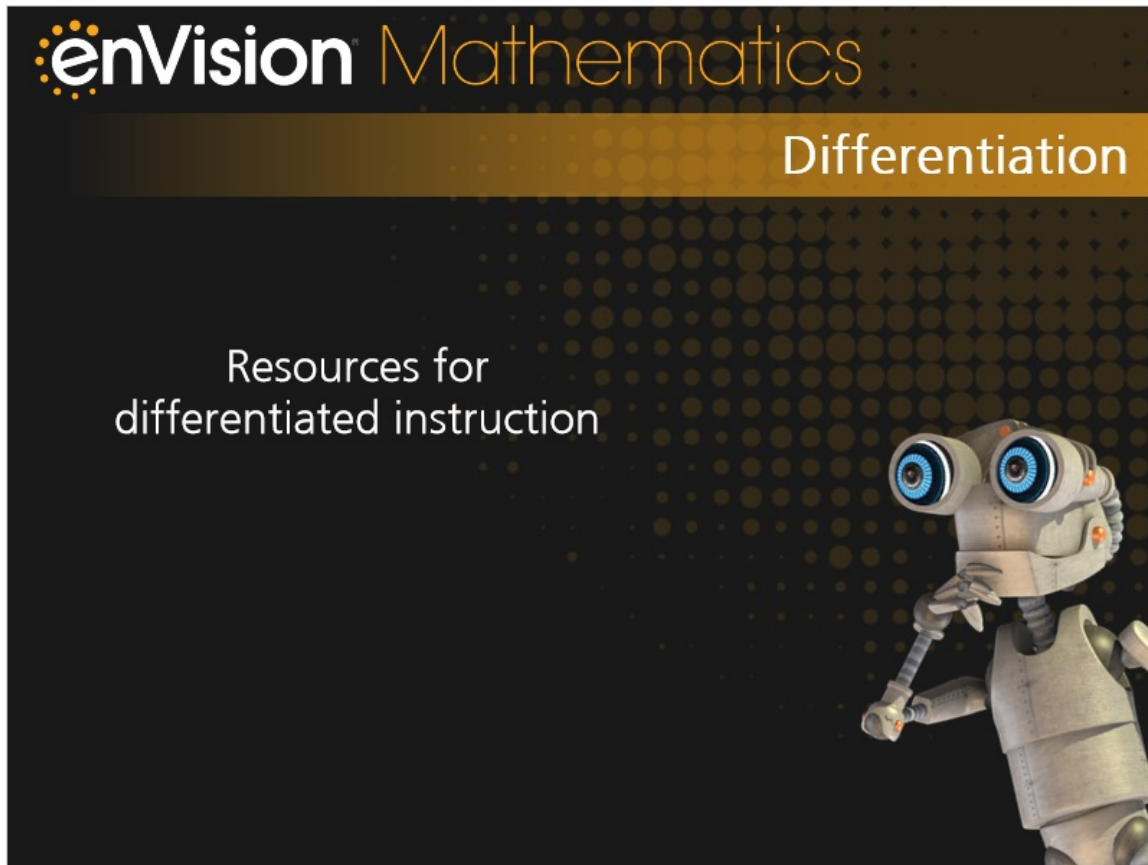


enVision Mathematics K-5 © 2020

Differentiation

Introduction



Hi, **enVision** Mathematics teachers!

We know every student is different. Let's look at the resources for differentiated instruction available at the course, topic, and lesson level so you can reach the range of learners in your classroom.

Course-level Differentiation

- Provide targeted intervention
- MDIS lesson recommendations in the Teacher’s Edition

RtI **Item Analysis for Diagnosis and Intervention**

Item	MDIS	© Standard
1	B5	2.OA.B.2
2	A25	1.NBT.B.2b
3	A20	2.NBT.A.2
4-9	B20	2.NBT.B.5
10-12	B39	2.NBT.B.5
13	A20	2.NBT.A.2

enVision Mathematics includes a comprehensive intervention kit called the Math Diagnosis and Intervention System, or MDIS for short.

The MDIS includes intervention lessons, guided instruction, and diagnostic tests. Use the diagnostic tests to help you identify struggling students and their specific needs.

Then use the intervention lessons to provide targeted intervention throughout the school year. Find MDIS lesson recommendations in your Teacher’s Edition.

Quick Tip

Find digital versions of MDIS resources on Savvas Realize™. Scroll to the bottom of the Table of Contents and click **Math Diagnosis and Intervention System**.

Click **Next** below to continue.

The screenshot shows the Savvas Realize website interface for enVision Mathematics 2020 Grade 3. The top navigation bar includes 'Home', 'Browse', 'Classes', and 'My Library'. Below this is the page title 'enVision Mathematics 2020 Grade 3' with a search icon and a search bar. A 'Table of Contents' sidebar is on the left, listing various topics and assessments. The 'Math Diagnosis and Intervention System' item is highlighted in blue. The main content area features a 'Browse by Category' section with icons for Activities, Assessment, Games, Practice, Teacher Support, and Video/Audio. Below this is a 'Featured Resources' section with two resource cards: '3-Act Math' and 'Academic Vocabulary'. The footer contains copyright information and links to User Agreement, Privacy Policy, and Credits.

Topic-level Differentiation

Differentiation resources embedded in each topic

TOPIC
1

Differentiated Instruction

Understand Multiplication and Division of Whole Numbers

1 Intervention
2 On-Level
3 Advanced

ONGOING INTERVENTION	STRATEGIC INTERVENTION	INTENSIVE INTERVENTION
<p>1 <small>RT</small></p> <p>During the core lesson, monitor progress, reteach as needed, and extend students' thinking.</p> <p>Guiding Questions</p> <ul style="list-style-type: none"> In the Teacher's Edition Guiding questions are used to monitor understanding during instruction. Online Guiding Questions Guiding questions are also in the online Visual Learning Animation Plus. <p>Prevent Misconceptions This feature in the Teacher's Edition is embedded in the guiding questions.</p> <p>Error Intervention: If... then... This feature in the Teacher's Edition is provided during Guided Practice. It spotlights common errors and gives suggestions for addressing them.</p> <p>Reteaching Reteaching sets are at the end of the topic in the Student's Edition. They provide additional examples, reminders, and practice. Use these sets as needed before students do the Independent Practice.</p> <p>Higher Order Thinking These problems require students to think more deeply about the rich, conceptual knowledge developed in the lesson.</p> <p>Practice Buddy Online Online auto-scored practice is provided for each lesson. On-screen learning aids include Help Me Solve This and View an Example.</p>	<p>2 <small>RT</small></p> <p>At the end of the lesson, assess to identify students' strengths and needs and then provide appropriate support.</p> <p>Quick Check</p> <ul style="list-style-type: none"> In the Student's Edition Assess the lesson using 3 items checked in the Teacher's Edition. Online Quick Check You can also assess the lesson using 5 online, machine-scored items. <p>Intervention Activity 1 Teachers work with struggling students.</p> <p>Technology Center 1 0 A</p> <ul style="list-style-type: none"> Digital Math Tools Activities reinforce the lesson content or previously taught content using a suite of digital math tools. Online Games practice the lesson content or previously taught content. <p>Reteach to Build Understanding 1 This is a page of guided reteaching.</p> <p>Build Mathematical Literacy 1 0 Helps students read math problems.</p> <p>Enrichment 0 A Enhances students' thinking.</p> <p>Activity Centers 1 0 A</p> <ul style="list-style-type: none"> Pick a Project lets students choose from a variety of engaging, rich projects. enVision® STEM Activity is related to the topic science theme introduced at the start of the topic. Problem-Solving Leveled Reading Mat is used with a lesson-specific activity. <p>Additional Practice 1 0 A Use the leveled assignment to provide differentiated practice.</p>	<p>3 <small>RT</small></p> <p>As needed, provide more instruction that is on or below grade level for students who are struggling.</p> <p>Math Diagnosis and Intervention System</p> <ul style="list-style-type: none"> Diagnosis Use the diagnostic tests in the system. Also, use the item analysis charts given with program assessments at the start of a grade or topic, or at the end of a topic, group of topics, or the year. Intervention Lessons These two-page lessons include guided instruction followed by practice. The system includes lessons below, on, and above grade level. Teacher Support Teacher Notes provide the support needed to conduct a short lesson. The lesson focuses on vocabulary, concept development, and practice. The Teacher's Guide contains individual and class record forms and correlations to Student's Edition lessons. <p>Resources for Fluency Success</p> <ul style="list-style-type: none"> A variety of print and digital resources are provided to ensure fluency success. See Steps to Fluency Success at the start of Topics 5 and 9.

There are differentiation resources embedded in each topic. In your Teacher's Edition, find the Differentiated Instruction topic page. You'll get an overview of the available differentiation resources, categorized into three intervention tiers.

On the Build Mathematical Literacy topic page, explore the support resources for English language learners. You can also support all students with reading and vocabulary skills activities throughout the topic.

Make sure to use the 3-Act Math and Pick a Project resources with your students! These activities make math inviting with high-interest, low-entry tasks and opportunities for students to choose how they show what they know.

Quick Tip

Teacher's Edition Program Overview
GRADE 3

enVision Mathematics

DIFFERENTIATED INSTRUCTION Public resources for teaching all learners!

Differentiation Resources

- Use enVision® Mathematics to meet the needs of all students and provide Response to Intervention (RI), as shown below. Also, see the next page for more information about Math Diagnosis and Intervention System (MDIS).
- Upload your own resources that you create or the district provides.

Includes DOK (Depth of Knowledge) Levels

DIFFERENTIATION RESOURCES		
ONGOING INTERVENTION 	During a LESSON	<ul style="list-style-type: none"> Prevent Misconceptions Four Intervention (I...Then...) Learning Set Learning Aids-Online Higher Order Thinking problems
STRATEGIC INTERVENTION 	At the end of a LESSON	<ul style="list-style-type: none"> Intervention Activity Digital Math Tools Activities Online Math Games Network to Build Understanding Build Mathematical Literacy Enrichment Ask a Project enVision® STEM Activity Problem-Solving Reading Activity Additional Practice Learning Aids-Online
INTENSIVE INTERVENTION 	As needed ANYTIME	<ul style="list-style-type: none"> Intervention Lesson Intervention Lesson Teacher Support Visual Learning Animation Plus Online Math Games Fluency sub-skill practice

KEY

Online	Student's Edition, Intervention Student Edition	Teacher's Resource System
Learning Animation Plus	Teacher's Edition, Teacher's Edition chart	Digital Math Tools
Practice Buddy-Online	Problem-Solving/Leveled Reading Activity Cards	Additional Practice Workbook
Enrichment	Math Diagnosis and Intervention System	

There are even more enVision Mathematics differentiation resources to help you support all students. Check out the Differentiation Resources chart in your *Teacher's Edition Program Overview*.

Lesson-level Differentiation

Lesson 1-1

Relate Multiplication and Addition

LESSON OVERVIEW

Mathematics Objective Use repeated addition to show the relationship between multiplication and addition.

Essential Understanding Some real-world problems that involve joining or separating equal groups or making comparisons can be solved using multiplication. Repeated addition that involves joining equal groups is one way to think about multiplication.

Look Back In Grade 2, students learned how to use addition of equal groups to find a total.

This Lesson Students use repeated addition to determine the total number of objects in equal-sized groups. The answer to a multiplication problem or the total number of objects found when multiplying the factors is the product.

Look Ahead Later in this topic, students will use a number line to represent and solve multiplication facts.

Conceptual Understanding Students explore the relationship between addition and multiplication. Multiplication is used in various applications throughout this lesson.

Lesson Resources

Vocabulary Equal groups, Multiplication, Factors, Product, Equations, Unknown

Materials Two-color counters (or Teaching Tool 9)

Watch the Listen and Look For Lesson Video.

MATH ANYTIME

Daily Review

Today's Challenge

Use the Topic 1 problems any time during this topic.

LANGUAGE SUPPORT

Lesson Language Objective Write equations to show how multiplication and addition are related.

ENGLISH LANGUAGE LEARNERS

Use with the Solve & Share.

Writing
Read the problem with students. How can you find the number of jars of paint Ms. Witt bought? Write "4 boxes with 5 jars in each." How can you represent the total number of jars Ms. Witt bought? Have students draw a bar diagram to represent Ms. Witt's purchase.

Entering How can you find the number of jars of paint Ms. Karp bought? Write "3 boxes with 6 jars in each." Have students draw a bar diagram to represent Ms. Karp's purchase.

Developing Write "4 boxes with 5 jars in each" and "3 boxes with 6 jars in each." Ask students to draw bar diagrams representing the number of jars of paint Ms. Witt and Ms. Karp each bought. What operation can you use to find the total number of jars Ms. Witt bought? What operation can you use to find the total number of jars Ms. Karp bought?

Expanding Ask students to draw bar diagrams representing the number of jars of paint Ms. Witt and Ms. Karp each bought. How can you find who bought more jars of paint, Ms. Witt or Ms. Karp?

Support
your
students'
English
language
proficiency

You'll find differentiation resources and tips in each step of an **enVision** Mathematics lesson.

In the Lesson Overview, notice the English Language Learners section. Use these strategies to support the development of your students' English language proficiency.

In Steps 1 and 2 of the lesson, ask students the guiding questions to check for understanding and inform your instruction.

Notice the Error Intervention note. These notes help you clarify concepts, address common misconceptions, and support struggling students.

At the end of Step 2, use the Quick Check as a formative assessment that can help you differentiate instruction in Step 3.

Quick Tip

You can assign the Quick Check digital version on SavvasRealize.com. When students take the Quick Check online, their responses are automatically scored and Savvas Realize will assign differentiation resources based on each student's results.

The screenshot shows the Savvas Realize interface for 'enVision Mathematics 2020 Grade 3'. The top navigation bar includes 'Home', 'Browse', 'Classes', and 'My Library'. The main content area is titled 'Step 3: Assess & Differentiate' and lists several resources:

- 1-1: Quick Check** (1-1: Quick Check) - This resource is highlighted with a red checkmark icon and a red arrow pointing to it.
- 1-1: Lesson Self-Assessment** (1-1: Lesson Self-Assessment)
- 1-1: Reteach to Build Understanding** (1-1: Reteach to Build Understanding)
- 1-1: Build Mathematical Literacy** (1-1: Build Mathematical Literacy)
- 1-1: Enrichment** (1-1: Enrichment)
- Game: Power House - Equal Groups to 25** (Game: Power House - Equal Groups to 25)
- 1-1: Pick a Project** (1-1: Pick a Project)
- 1-1: Another Look** (1-1: Another Look)

The sidebar on the left shows a list of topics, with '1-1: Relate Multiplication and Addition' selected. The footer contains copyright information: 'Copyright © 2022 Savvas Learning Company LLC. or its affiliates. All Rights Reserved. User Agreement | Privacy Policy | Credits | rev. 6682895'.

Quick Tip

The screenshot shows the Savvas Realize interface for enVision Mathematics 2020 Grade 3. The left sidebar lists various resources for Topic 1: Understand Multiplication and Division of Whole Numbers. The main content area displays a list of activities for Step 3: Assess & Differentiate, each with an 'Assign' button.

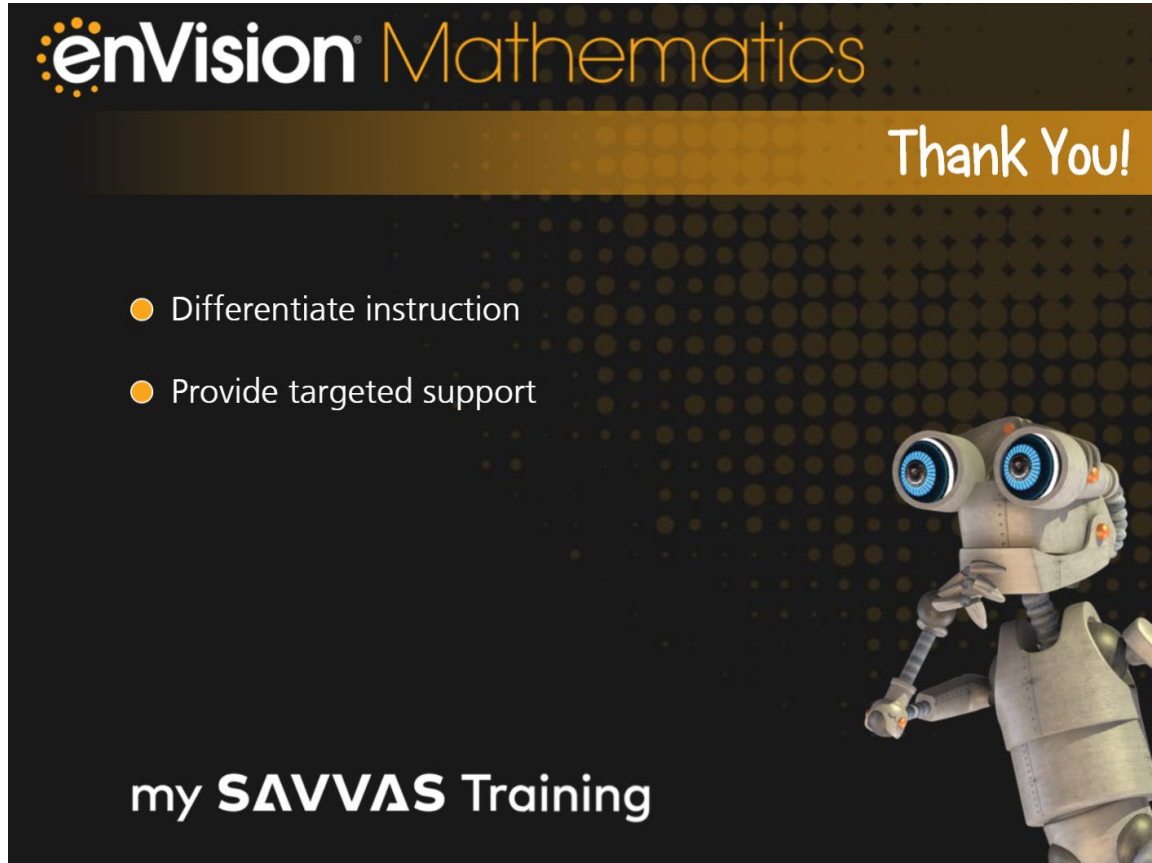
Activity	Assign
1-1: Quick Check 1-1: Quick Check	Assign
1-1: Lesson Self-Assessment 1-1: Lesson Self-Assessment	Assign
1-1: Reteach to Build Understanding 1-1: Reteach to Build Understanding	Assign
1-1: Build Mathematical Literacy 1-1: Build Mathematical Literacy	Assign
1-1: Enrichment 1-1: Enrichment	Assign
Game: Power House - Equal Groups to 25 Game: Power House - Equal Groups to 25	Assign
1-1: Pick a Project 1-1: Pick a Project	Assign
1-1: Another Look	Assign

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Find digital differentiation resources online at [SavvasRealize.com](https://www.savvasrealize.com). For more information about small groups, see the *Working with Small Groups* resource on [MySavvasTraining.com](https://www.mysavvas.com).

Click **Next** below to continue.

Closing

A graphic with a dark background and a pattern of small, glowing dots. At the top left is the enVision Mathematics logo. A horizontal gold bar across the top right contains the text "Thank You!". Below this, two bullet points are listed. At the bottom left is the text "my SAVVAS Training". On the right side, there is a 3D rendered robot character with large blue eyes and a thoughtful pose.

enVision Mathematics

Thank You!

- Differentiate instruction
- Provide targeted support

my **SAVVAS** Training

Thanks for exploring how **enVision** Mathematics resources can help you differentiate instruction and provide targeted support to all your students.

There's plenty of information on [MySavvasTraining.com](https://www.mysavvas.com/training) about **enVision** Mathematics and Savvas Realize when you're ready to learn more!