

National Center on
INTENSIVE INTERVENTION







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The purpose of this Activity Workbook is to help organize content for this Module. You will do some Activities on your own to help you engage with and think about the content. You will not be required to submit your responses for those activities. There are other activities, however, that you will submit online and apply in your classroom. The activities that you must submit before completing this Module are listed in the "Online" column below.

Section	Assignment	To Be Completed In Activity Workbook	To Be Completed Online	To Be Completed With Coach
Intro	Video		Watch Module 1 Introduction Video Presentation	
Part 1	Video		Watch Module 1 Part 1 Video Presentation	
	Activity 1	Examine NAEP Data		
	Journal		Journal Entry: Provide Rationale for Intensive Interventions in Math	
Part 2	Video		Watch Module 1 Part 2 Video Presentation	
	Activity 2	Put Operations Standards in Order		
	Activity 3	Put Problem-Solving Standards in Order		
	Activity 4	Determine Skill Gaps		
	Discussion		 Discussion Board: Ponder Upcoming Lessons Write Your Response Respond to 2 Others 	
Part 3	Video		Watch Module 1 Part 3 Video Presentation	
	Activity 5	Determine Skills Needed to Successfully Solve Problems		
	Activity 6	Determine Intervention Needs for a Student		
Next Steps	Video		Watch Module 1 Closing Video Presentation	
	Classroom Application			Identify Foundational Skills Needed in Your Classroom



- Module 1
- Part 1
- Activity #1

Look at NAEP data for students with disabilities.

(The National Assessment of Educational Progress: Nation's Report Card)

Go to https://www.nationsreportcard.gov/reading_math_2015/#mathematics/acl?grade=4

- Scroll down to section titled: ACHIEVEMENT LEVELS BY STUDENT GROUPS
- Under SELECT A STUDENT GROUP, use the drop-down menu to select: Status as students with disabilities
- Compare the two graphs
- To access 8th grade scores, scroll back up to heading ACHIEVEMENT LEVELS BY STUDENT GROUPS
- Click 8th Grade selector
- Under SELECT A STUDENT GROUP, use the drop-down menu to select: Status as students with disabilities

What's the level of performance (of students with disabilities) compared to students without disabilities?

What does this tell you about the necessity of intensive intervention?



- Module 1Part 1
- d.
- Journal Entry

Provide a rationale for the need for early intensive intervention by pretending that you're trying to convince a district administrator of the need for the DBI process.

(This space is for organizing your ideas.)

Version 2.0

Intensive Interventions

in Mathematics *

- Module 1
- Part 2
- Activity #2



Place the operations content in order from easier skills to more difficult skills. (Number from 1-8.)

Explain why addition and subtraction strategies work, using place value and the properties of operations.

Apply properties of operations as strategies to multiply and divide.

Apply properties of operations as strategies to add, subtract, factor, and expand linear expressions with rational coefficients. Solve linear equations with rational number coefficients, including equations whose solutions require expanding expressions using the distributive property and collecting like terms.

Find whole number quotients and remainders with up to four-digit dividends and one-digit divisors, using strategies based on place value, the properties of operations, and/or the relationship between multiplication and division. Apply the properties of operations to generate equivalent expressions.

Add, subtract, multiply, and divide decimals to hundredths, using concrete models or drawings and strategies based on place value, properties of operations, and/or the relationship between addition and subtraction.

Apply properties of operations as strategies to add and subtract.



Part 2



• Activity #3

Place the problem-solving content in order from easier skills to more difficult skills. (Number from 1-9.)







• Activity #4

Part 2

Determine the foundational skills that may need to be included within intensive intervention. You can use your state standards or your knowledge of mathematical pathways.



continuum of mathematics learning



Module 1Part 2

Discussion



Reflect upon something that you're teaching soon.

- 1. What's the content that the student knows?
- 2. What comes before? What comes after?
- 3. How does this knowledge change your instruction?
- 4. What questions might you have for other teachers?

Write an original post on the Discussion Board and respond to two peers.

(This space is for organizing your ideas.)





- Part 3
- Activity #5

Look at this set of word problems used in a third-grade intervention:



1. What foundational skills do students need to know to successfully solve such problems?

2. What **types of assessments** would you use to design the mathematical content for intensive intervention?







Activity #6

Here's a list of a student's strengths and weaknesses.

Strengths:

- Addition and subtraction of whole numbers with regrouping •
- Multiplication by single-digit multiplier/ division by a single-digit divisor •
- Comparing whole numbers
- Interpreting graphs, tables, and charts
- Addition and subtraction of fractions with like denominators •
- Multiplication of fractions
- Problem solving single-step problems using whole number operations

Weaknesses:

- Adding and subtracting fractions with unlike denominators
- Dividing, simplifying, and comparing fractions
- Multiplication by double-digit multiplier/ division by a double-digit divisor
- Addition, subtraction, multiplication, and division of decimals
- **Comparing decimals** •
- Problem-solving multi-step word problems and problems using rational numbers
- 1. What mathematical content is important for this student in terms of intensive intervention?

2. What foundational skills might be a part of intensive intervention?

3. How might some of those things need to be retaught?





With your coach: Identify and map the foundational mathematics skills that you may include within intensive intervention.

- Consider the following:
 - the grade level(s) you teach
 - your state's core standards
 - your students' present skill levels
 - o appropriate sequencing of skills

Student(s)	Current Level	Skills to Teach/Reteach	Standard to Meet



Student(s)	Current Level	Skills to Teach/Reteach	Standard to Meet



Common Core State Standards for Mathematics:

http://www.corestandards.org/wp-content/uploads/Math Standards1.pdf

Scroll down in yellow column to the right, **Standards by Domain** shows strands vertically aligned by grade level.

A state-specific example: Texas Essential Knowledge and Skills – Vertical Alignment Documents:

http://tea.texas.gov/student.assessment/special-ed/staaralt/vertalign/

In center of page, select Mathematics.

The standards your state uses: