

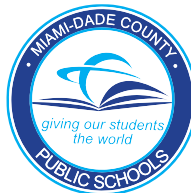
M/J Foundational Skills in Mathematics Grade 8 Course Code: 1204000T8

2026-2027 Year-at-a-Glance

Please use the link or code below to join the Collaborative Google Classroom for this course.
(Do not share code with students)

jj6z2pgu

[Middle Grades 6-8 Mathematics Professionals](#)



**MIAMI-DADE COUNTY PUBLIC SCHOOLS
ACADEMIC INSTRUCTIONAL ROADMAP
YEAR-AT-A-GLANCE**

M/J Foundational Skills in Mathematics 8		2026-2027		Course Code: 1204000T8	
Florida's B.E.S.T. Standards Mathematics					
First Nine Weeks 45 Days August 13, 2026 – October 16, 2026					
Topic 1: Solve Problems Involving Real Numbers 08/13 – 09/03 (16 Traditional: 8 Block)			Topic 2: Apply Laws of Exponents 09/04 – 10/05 (20 Traditional: 10 Block)		
Lessons		Benchmarks	Lessons		Benchmarks
- MDIS: L77: Adding Rational Numbers - MDIS: L78: Subtracting Rational Numbers - MDIS: L79: Multiplying and Dividing Rational Numbers 1-1: Understand Irrational Numbers 1-2: Plot, Compare, and Order Real Numbers 1-3: Evaluate Square Roots and Cube Roots 1-4: Solve Equations Using Square Roots and Cube Roots		- MA.8.NSO.1.1 - MA.8.NSO.1.2 - MA.8.NSO.1.7 - MA.8.AR.2.3	- MDIS: L83: Integer Exponents 2-1: Use Laws of Integer Exponents 2-2: Use Powers of 10 to Estimate Quantities 2-3: Understand Scientific Notation 2-4: Operations with Numbers in Scientific Notation 2-5: Extend Laws of Exponents: Algebraic Expressions 2-6: Multiply Linear Expressions 2-7: Factor Algebraic Expressions		- MA.8.NSO.1.3 - MA.8.NSO.1.4 - MA.8.NSO.1.5 - MA.8.NSO.1.6 - MA.8.AR.1.1 - MA.8.AR.1.2 - MA.8.AR.1.3
Topic 3: Solve Equations and Inequalities (Continued into next quarter) 10/06 – 10/23 (14 Traditional: 7 Block)					
Lessons			Benchmarks		
<u>1st 9-Weeks Content</u> - MDIS: K25: Solving Equations with Whole Numbers - MDIS: K38: Solving Inequalities 3-1: Combine Like Terms to Solve Equations 3-2: Solve Equations with Variables on Both Sides 3-3: Solve Multi-Step Equations			- MA.8.AR.2.1 - MA.8.AR.2.2		
<u>2nd 9-Weeks Content</u> 3-4: Equations with No Solutions or Infinitely Many Solutions 3-5: Solve Two-Step Inequalities					

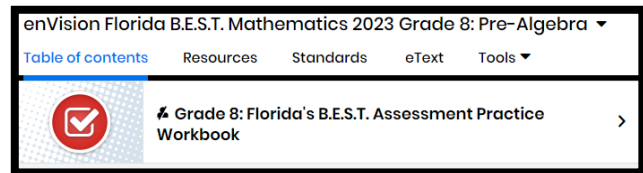
**MIAMI-DADE COUNTY PUBLIC SCHOOLS
ACADEMIC INSTRUCTIONAL ROADMAP
YEAR-AT-A-GLANCE**

M/J Foundational Skills in Mathematics 8		2026-2027		Course Code: 1204000T8	
Florida's B.E.S.T. Standards Mathematics					
Second Nine Weeks					
46 Days					
October 19, 2026 – January 14, 2027					
Topic 3: Solve Equations and Inequalities (Continued from prior quarter) 10/06 – 10/23 (14 Traditional: 7 Block)			Topic 4A: Understand Linear Relationships 10/26 – 11/12 (12 Traditional: 6 Block) Topic 4B: Understand Linear Relationships 11/13 – 12/09 (14 Traditional: 7 Block)		
Lessons		Benchmarks	Lessons		Benchmarks
<u>1st 9-Weeks Content</u> - MDIS: K25: Solving Equations with Whole Numbers - MDIS: K38: Solving Inequalities 3-1: Combine Like Terms to Solve Equations 3-2: Solve Equations with Variables on Both Sides 3-3: Solve Multi-Step Equations <u>2nd 9-Weeks Content</u> 3-4: Equations with No Solutions or Infinitely Many Solutions 3-5: Solve Two-Step Inequalities		- MA.8.AR.2.1 - MA.8.AR.2.2	<u>Topic 4A</u> - MDIS: M32: Constant of Proportionality - MDIS: M33: Recognizing Proportional Relationships 4-1: Connect Proportional Relationships and Slope 4-2: Analyze Linear Equations: $y = mx$ 4-3: Understand the y-Intercept of a Line 4-4: Write and Graph Linear Equations: $y = mx + b$ <u>Topic 4B</u> - MDIS: K49: Graphing Equations in the Coordinate Plane - MDIS: K50: Finding Slope 4-5: Interpret Slope and y-Intercept of a Linear Relationship 4-6: Understand Systems of Equations 4-7: Solve Systems by Graphing		<u>Topic 4A</u> - MA.8.AR.3.1 - MA.8.AR.3.2 - MA.8.AR.3.3 <u>Topic 4B</u> - MA.8.AR.3.4 - MA.8.AR.3.5 - MA.8.AR.4.1 - MA.8.AR.4.2 - MA.8.AR.4.3
Topic 5: Define, Evaluate, and Compare Functions 12/10 – 01/13 (14 Traditional: 7 Block)			Topic 6: Understanding Relationships Involving Triangles (Continued into next quarter) 01/14 – 02/19 (24 Traditional: 12 Block)		
Lessons		Benchmarks	Lessons		Benchmarks
- MDIS: M34: Comparing Proportional Relationships 5-1: Understand Relations and Functions 5-2: Analyze Functions 5-3: Construct Functions to Model Linear Relationships 5-4: Intervals of Increase and Decrease 5-5: Sketch Functions from Verbal Descriptions		- MA.8.F.1.1 - MA.8.F.1.2 - MA.8.F.1.3	<u>2nd 9-Weeks Content</u> - MDIS: N64: The Pythagorean Theorem <u>3rd 9-Weeks Content</u> - MDIS: N64: The Pythagorean Theorem 6-1: Understand the Pythagorean Theorem 6-2: Understand the Converse of the Pythagorean Theorem 6-3: Apply the Pythagorean Theorem to Solve Problems 6-4: Find Distance in the Coordinate Plane 6-5: Draw Triangles with Given Sides 6-6: Solve Problems Using Angle Relationships 6-7: Interior and Exterior Angles of Triangles 6-8: Interior Angles of Regular Polygons		- MA.8.GR.1.1 - MA.8.GR.1.2 - MA.8.GR.1.3 - MA.8.GR.1.4 - MA.8.GR.1.5 - MA.8.GR.1.6

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
ACADEMIC INSTRUCTIONAL ROADMAP
YEAR-AT-A-GLANCE**

M/J Foundational Skills in Mathematics 8		2026-2027		Course Code: 1204000T8			
Florida’s B.E.S.T. Standards Mathematics							
Third Nine Weeks 42 Days January 19, 2027 – March 19, 2027							
Topic 6: Understanding Relationships Involving Triangles 01/14 – 02/19 (24 Traditional: 12 Block)			Topic 7: Congruence and Similarity 02/22 – 03/16 (16 Traditional: 8 Block)				
Lessons		Benchmarks	Lessons		Benchmarks		
<u>2nd 9-Weeks Content</u> MDIS: N64: The Pythagorean Theorem		- MA.8.GR.1.1 - MA.8.GR.1.2 - MA.8.GR.1.3 - MA.8.GR.1.4 - MA.8.GR.1.5 - MA.8.GR.1.6	- MDIS: N58: Transformations - MDIS: N59: Composing Transformations 7-1: Analyze Translations 7-2: Analyze Reflections 7-3: Analyze Rotations 7-4: Describe Dilations 7-5: Solve Problems Involving Similar Triangles		- MA.8.GR.2.1 - MA.8.GR.2.2 - MA.8.GR.2.3 - MA.8.GR.2.4		
<u>3rd 9-Weeks Content</u> - MDIS: N64: The Pythagorean Theorem 6-1: Understand the Pythagorean Theorem 6-2: Understand the Converse of the Pythagorean Theorem 6-3: Apply the Pythagorean Theorem to Solve Problems 6-4: Find Distance in the Coordinate Plane 6-5: Draw Triangles with Given Sides 6-6: Solve Problems Using Angle Relationships 6-7: Interior and Exterior Angles of Triangles 6-8: Interior Angles of Regular Polygons							
Topic 8: Represent Data and Probabilities (Continued into next quarter) 03/17 – 04/09 (12 Traditional: 6 Block)							
Lessons			Benchmarks				
<u>3rd 9-Weeks Content</u> - MDIS: N72: Scatterplots 8-1: Construct Scatter Plots and Line Graphs 8-2: Analyze Linear Associations 8-3: Connect Linear Models			- MA.8.DP.1.1 - MA.8.DP.1.2 - MA.8.DP.1.3 - MA.8.DP.2.1 - MA.8.DP.2.2 - MA.8.DP.2.3				
<u>4th 9-Weeks Content</u> 8-4: Determine Outcomes of Repeated Experiments 8-5: Use Theoretical Probability to Make Predictions							

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
ACADEMIC INSTRUCTIONAL ROADMAP
YEAR-AT-A-GLANCE**

M/J Foundational Skills in Mathematics 8		2026-2027		Course Code: 1204000T8	
Florida’s B.E.S.T. Standards Mathematics					
Fourth Nine Weeks 47 Days March 30, 2027 – June 03, 2027					
Topic 8: Represent Data and Probabilities (Continued from prior quarter) 03/17 – 04/09 (12 Traditional: 6 Block)			Topic 9 – F.A.S.T. Spiral Review 04/12 – 04/30 (15 Traditional: 7 or 8 Block) F.A.S.T. PM3 Administration Window 05/01 – 05/31		
Lessons		Benchmarks	Lessons		Standards
<u>3rd 9-Weeks Content</u> - MDIS: N72: Scatterplots 8-1: Construct Scatter Plots and Line Graphs 8-2: Analyze Linear Associations 8-3: Connect Linear Models <u>4th 9-Weeks Content</u> 8-3: Connect Linear Models 8-4: Determine Outcomes of Repeated Experiments 8-5: Use Theoretical Probability to Make Predictions		- MA.8.DP.1.1 - MA.8.DP.1.2 - MA.8.DP.1.3 - MA.8.DP.2.1 - MA.8.DP.2.2 - MA.8.DP.2.3	Grade 8: Florida’s B.E.S.T. Assessment Practice Workbook (Accessible Online via Savvas Realize)  Additional details are available in the Topic 9 Pacing Guide		- MA.8.NSO.1 - MA.8.AR.1 - MA.8.AR.2 - MA.8.AR.3 - MA.8.AR.4 - MA.8.F.1 - MA.8.GR.1 - MA.8.GR.2 - MA.8.DP.1 - MA.8.DP.2
Topic 10: Strengthen Grade Level Skills Through 3-Act & Pick a Project 05/01 – 06/03 (23 Traditional: 11 or 12 Block) F.A.S.T. PM3 Administration Window 05/01 – 05/31					
Lessons & Benchmarks					
- Topic 1: Pick a Project 1C & 1D - Topic 2: Pick a Project 2C & 2D - Topic 3: Pick a Project 3C & 3D - Topic 4: Pick a Project 4C & 4D		- MA.8.NSO.1.1 - MA.8.NSO.1.2 - MA.8.NSO.1.3 - MA.8.NSO.1.4 - MA.8.NSO.1.6 - MA.8.AR.2.2 - MA.8.AR.3.1 - MA.8.AR.3.3 - MA.8.AR.3.4 - MA.8.AR.3.5	- Topic 5: Pick a Project 5C & 5D - Topic 6 & 7: Pick a Project 6C or 7C - Topic 8: Pick a Project 8C or 8D		- MA.8.F.1.1 - MA.8.F.1.2 - MA.8.F.1.3 - MA.8.GR.1.1 - MA.8.GR.1.3 - MA.8.GR.2.4 - MA.8.DP.1.2 - MA.8.DP.2.2 - MA.8.DP.2.3

MIAMI-DADE COUNTY PUBLIC SCHOOLS ACADEMIC INSTRUCTIONAL ROADMAP YEAR-AT-A-GLANCE

M/J Foundational Skills in Mathematics 8

2026-2027

Course Code: 1204000T8

SUGGESTED PACE

August 2026				
M	T	W	T	F
3	4	5	6	7
10	11	12	13 1 st Day of School	14 SuccessMaker Momentum Diagnostic
17 MDIS L77, MDIS L78	18	19	20 MDIS L79	21 1-1
24 1-1, 1-2	25 1-2	26	27	28 1-3
31 1-4 Topic 1 Review				

November 2026				
M	T	W	T	F
2 4-2	3	4 4-3	5	6 4-4 Topic 3&4A Review
9 4-4 Topic 3&4A Review	10 DI Day	11	12 DI Day	13 MDIS 49
16 MDIS 49	17 MDIS 50	18	19	20 4-5
23	24	25	26	27
30 4-6				

February 2027				
M	T	W	T	F
1 DI Day	2	3	4 6-4	5 6-5
8 6-5	9	10 6-6	11	12 6-7
15	16 6-8 Topic 6 Review	17	18 DI Day	19
22 MDIS N58	23	24 MDIS N59	25	26 7-1

September 2026				
M	T	W	T	F
	1 1-4 Topic 1 Review	2 DI Day	3	4 MDIS L83
7	8 MDIS L83	9	10 2-1	11 2-2
14 2-2	15 DI Day	16	17	18 2-3
21	22 2-4	23	24	25 2-5
28 2-6	29	30 2-7 Topic 2 Review		

December 2026				
M	T	W	T	F
	1	2	3	4 4-7 Topic 4B Review
7 4-7 Topic 4B Review	8	9 DI Day	10	11 MDIS M34
14	15 5-1	16	17 5-2	18
21	22	23	24	25
28	29	30		

March 2027				
M	T	W	T	F
1 7-1	2	3 7-2	4	5 7-3
8	9 7-4	10	11	12 7-5 Topic 7 Review
15 DI Day	16	17	18 MDIS N72	19 8-1
22	23	24	25	26
29	30 8-1	31 8-2		

October 2026				
M	T	W	T	F
			1 2-7 Topic 2 Review	2 DI Day
5 DI Day	6	7	8 MDIS K25	9 MDIS K38
12	13 3-1	14	15 3-2	16 3-3
19 3-3	20 3-4	21	22	23 3-5
26 MDIS M32 MDIS M33	27	28	29 4-1	30 4-2

January 2027				
M	T	W	T	F
				1
4	5 5-3	6	7 5-4	8 5-5 Topic 5 Review
11 5-5 Topic 5 Review	12	13 DI Day	14 MDIS N64	15
18	19 MDIS N64	20	21 6-1	22 6-2
25 6-2	26	27	28 6-3	29

April 2027				
M	T	W	T	F
			1 8-2	2 8-3
5 8-3	6	7 8-4	8	9 8-5 Topic 8 Review
12	13	14	15	16
Topic 9 - F.A.S.T. Spiral Review				
19	20	21	22	23
Topic 9 - F.A.S.T. Spiral Review				
26	27	28	29	30
Topic 9 - F.A.S.T. Spiral Review				

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
ACADEMIC INSTRUCTIONAL ROADMAP
YEAR-AT-A-GLANCE**

M/J Foundational Skills in Mathematics 8**2026-2027****Course Code: 1204000T8****Instructional Focus Calendar Template**

August 2026				
M	T	W	T	F
3	4	5	6	7
10 – Teacher Planning Day	11 – District Wide Professional Learning Day	12 – Teacher Planning Day	13 – Beginning of Grading Period (Q1)	14
17	18	19	20	21
24	25	26	27	28
31				

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
ACADEMIC INSTRUCTIONAL ROADMAP
YEAR-AT-A-GLANCE**

M/J Foundational Skills in Mathematics 8**2026-2027****Course Code: 1204000T8****Instructional Focus Calendar Template**

September 2026				
M	T	W	T	F
	1	2	3	4
7 – Legal Holiday	8	9	10	11
14	15	16	17	18
21 – Teacher Planning Day	22	23	24	25
28	29	30		

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ACADEMIC INSTRUCTIONAL ROADMAP
YEAR-AT-A-GLANCE**

M/J Foundational Skills in Mathematics 8**2026-2027****Course Code: 1204000T8****Instructional Focus Calendar Template**

October 2026				
M	T	W	T	F
			1	2
5	6	7	8	9
12	13	14	15	16 – End of Grading Period (Q1)
19 – Beginning of Grading Period (Q2)	20	21	22	23
26	27	28	29	30

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
ACADEMIC INSTRUCTIONAL ROADMAP
YEAR-AT-A-GLANCE**

M/J Foundational Skills in Mathematics 8**2026-2027****Course Code: 1204000T8****Instructional Focus Calendar Template**

November 2026				
M	T	W	T	F
2	3 – District Wide Professional Learning Day	4	5	6
9	10	11 – Legal Holiday	12	13
16	17	18	19	20
23 – Recess Day	24 – Recess Day	25 – Recess Day	26 – Legal Holiday	27 – Recess Day
30				

MIAMI-DADE COUNTY PUBLIC SCHOOLS
ACADEMIC INSTRUCTIONAL ROADMAP
YEAR-AT-A-GLANCE

M/J Foundational Skills in Mathematics 8

2026-2027

Course Code: 1204000T8

Instructional Focus Calendar Template

December 2026				
M	T	W	T	F
	1	2	3	4
7	8	9	10	11
14	15	16	17	18 – Teacher Planning Day
21 – Recess Day	22 – Recess Day	23 – Recess Day	24 – Recess Day	25 – Recess Day
28 – Recess Day	29 – Recess Day	30 – Recess Day	31 – Recess Day	

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ACADEMIC INSTRUCTIONAL ROADMAP
YEAR-AT-A-GLANCE**

M/J Foundational Skills in Mathematics 8**2026-2027****Course Code: 1204000T8****Instructional Focus Calendar Template**

January 2027				
M	T	W	T	F
				1 – Recess Day
4	5	6	7	8
11	12	13	14 – End of Grading Period (Q2)	15 – Teacher Planning Day
18 – Legal Holiday	19 – Beginning Grading Period (Q3)	20	21	22
25	26	27	28	29

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YEAR-AT-A-GLANCE**

M/J Foundational Skills in Mathematics 8**2026-2027****Course Code: 1204000T8****Instructional Focus Calendar Template**

February 2027				
M	T	W	T	F
1	2	3	4	5
8	9	10	11	12
15 – Holiday	16	17	18	19
22	23	24	25	26

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
ACADEMIC INSTRUCTIONAL ROADMAP
YEAR-AT-A-GLANCE**

M/J Foundational Skills in Mathematics 8**2026-2027****Course Code: 1204000T8****Instructional Focus Calendar Template**

March 2027				
M	T	W	T	F
1	2	3	4	5
8	9	10 – Teacher Planning Day	11	12
15	16	17	18	19 – End of Grading Period (Q3)
22 – Recess Day	23 – Recess Day	24 – Recess Day	25 – Recess Day	26 – Recess Day
29 – Teacher Planning Day	30 – Beginning of Grading Period (Q4)	31		

MIAMI-DADE COUNTY PUBLIC SCHOOLS
ACADEMIC INSTRUCTIONAL ROADMAP
YEAR-AT-A-GLANCE

M/J Foundational Skills in Mathematics 8

2026-2027

Course Code: 1204000T8

Instructional Focus Calendar Template

April 2027				
M	T	W	T	F
			1	2
5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
26	27	28	29	30

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
ACADEMIC INSTRUCTIONAL ROADMAP
YEAR-AT-A-GLANCE**

M/J Foundational Skills in Mathematics 8**2026-2027****Course Code: 1204000T8****Instructional Focus Calendar Template**

May 2027				
M	T	W	T	F
3	4	5	6	7
F.A.S.T. PM3 Testing Begins May 1				
10	11	12	13	14
17	18	19	20	21
24	25	26	27	28
31				

**MIAMI-DADE COUNTY PUBLIC SCHOOLS
ACADEMIC INSTRUCTIONAL ROADMAP
YEAR-AT-A-GLANCE**

M/J Foundational Skills in Mathematics 8		2026-2027	Course Code: 1204000T8
Florida's B.E.S.T. Standards Mathematics			
Mathematical Thinking and Reasoning			
Description			
MA.K12.MTR.1.1 Actively participate in effortful learning both individually and collectively.		MA.K12.MTR.2.1 Demonstrate understanding by representing problems in multiple ways.	
Mathematicians who participate in effortful learning both individually and with others: - Analyze the problem in a way that makes sense given the task. - Ask questions that will help with solving the task. - Build perseverance by modifying methods as needed while solving a challenging task. - Stay engaged and maintain a positive mindset when working to solve tasks. - Help and support each other when attempting a new method or approach. Clarifications: Teachers who encourage students to participate actively in effortful learning both individually and with others: - Cultivate a community of growth mindset learners. - Foster perseverance in students by choosing tasks that are challenging. - Develop students' ability to analyze and problem solve. - Recognize students' effort when solving challenging problems.		Mathematicians who demonstrate understanding by representing problems in multiple ways: - Build understanding through modeling and using manipulatives. - Represent solutions to problems in multiple ways using objects, drawings, tables, graphs and equations. - Progress from modeling problems with objects and drawings to using algorithms and equations. - Express connections between concepts and representations. - Choose a representation based on the given context or purpose. Clarifications: Teachers who encourage students to demonstrate understanding by representing problems in multiple ways: - Help students make connections between concepts and representations. - Provide opportunities for students to use manipulatives when investigating concepts. - Guide students from concrete to pictorial to abstract representations as understanding progresses. - Show students that various representations can have different purposes and can be useful in different situations.	
MA.K12.MTR.3.1 Complete tasks with mathematical fluency.			
Mathematicians who complete tasks with mathematical fluency: - Select efficient and appropriate methods for solving problems within the given context. - Maintain flexibility and accuracy while performing procedures and mental calculations. - Complete tasks accurately and with confidence. - Adapt procedures to apply them to a new context. - Use feedback to improve efficiency when performing calculations. Clarifications: Teachers who encourage students to complete tasks with mathematical fluency: - Provide students with the flexibility to solve problems by selecting a procedure that allows them to solve efficiently and accurately. - Offer multiple opportunities for students to practice efficient and generalizable methods. - Provide opportunities for students to reflect on the method they used and determine if a more efficient method could have been used.			

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Florida's B.E.S.T. Standards Mathematics			
Mathematical Thinking and Reasoning			
Description			
MA.K12.MTR.4.1 Engage in discussions that reflect on the mathematical thinking of self and others.		MA.K12.MTR.5.1 Use patterns and structure to help understand and connect mathematical concepts.	
Mathematicians who engage in discussions that reflect on the mathematical thinking of self and others: - Communicate mathematical ideas, vocabulary and methods effectively. - Analyze the mathematical thinking of others. - Compare the efficiency of a method to those expressed by others. - Recognize errors and suggest how to correctly solve the task. - Justify results by explaining methods and processes. - Construct possible arguments based on evidence. Clarifications: Teachers who encourage students to engage in discussions that reflect on the mathematical thinking of self and others: - Establish a culture in which students ask questions of the teacher and their peers, and error is an opportunity for learning. - Create opportunities for students to discuss their thinking with peers. - Select, sequence and present student work to advance and deepen understanding of correct and increasingly efficient methods. - Develop students' ability to justify methods and compare their responses to the responses of their peers.		Mathematicians who use patterns and structure to help understand and connect mathematical concepts: - Focus on relevant details within a problem. - Create plans and procedures to logically order events, steps or ideas to solve problems. - Decompose a complex problem into manageable parts. - Relate previously learned concepts to new concepts. - Look for similarities among problems. - Connect solutions of problems to more complicated large-scale situations. Clarifications: Teachers who encourage students to use patterns and structure to help understand and connect mathematical concepts: - Help students recognize the patterns in the world around them and connect these patterns to mathematical concepts. - Support students to develop generalizations based on the similarities found among problems. - Provide opportunities for students to create plans and procedures to solve problems. - Develop students' ability to construct relationships between their current understanding and more sophisticated ways of thinking.	
MA.K12.MTR.6.1 Assess the reasonableness of solutions.		MA.K12.MTR.7.1 Apply mathematics to real-world contexts.	
Mathematicians who assess the reasonableness of solutions: - Estimate to discover possible solutions. - Use benchmark quantities to determine if a solution makes sense. - Check calculations when solving problems. - Verify possible solutions by explaining the methods used. - Evaluate results based on the given context. Clarifications: Teachers who encourage students to assess the reasonableness of solutions: - Have students estimate or predict solutions prior to solving. - Prompt students to continually ask, "Does this solution make sense? How do you know?" - Reinforce that students check their work as they progress within and after a task. - Strengthen students' ability to verify solutions through justifications.		Mathematicians who apply mathematics to real-world contexts: - Connect mathematical concepts to everyday experiences. - Use models and methods to understand, represent and solve problems. - Perform investigations to gather data or determine if a method is appropriate. - Redesign models and methods to improve accuracy or efficiency. Clarifications: Teachers who encourage students to apply mathematics to real-world contexts: - Provide opportunities for students to create models, both concrete and abstract, and perform investigations. - Challenge students to question the accuracy of their models and methods. - Support students as they validate conclusions by comparing them to the given situation. - Indicate how various concepts can be applied to other disciplines.	