4th Grade Pacing Module 1 with Suggested Modifications Key

Optional Lesson Extension Lesson Remedial Lesson

Standards			Topic and Objectives	Instructional Notes
4.NBT.1	Α	Place Value o	f Multi-Digit Whole Numbers	Days: 5
4.NBT.2		Lesson 1:		
4.OA.1		Lesson 2:		
		Lesson 3:	Name numbers within 1 million by building understanding of the place value chart and placement of commas for naming base thousand units.	
		Lesson 4:	Read and write multi-digit numbers using base ten numerals, number names (word form), and expanded form.	
		Day 5:	Problem Solving Task: <u>How do you Write a Check to Pay for Something?</u>	
 Recoright. Read Snapshot As Example: How is the each of thes (POK 1) 	gnize d and sessm ne valu se num	that in a mult write number ent Standard: 4 e of the 5 digit in bers different?	i-digit whole number, a digit in one place represents ten times what it rep s in standard, word form, unit, and expanded form up to one million. 4.NBT.1 Problem 1-4 4.NBT.1 Part B 1-4 Snapshot Assessment: 4.NBT.2 Problems 1-2 4.NBT.2 Part B 1-3 Example: 1. Write this number in expanded form (DOK 1)	oresents in the place to its 3 n:
354, 023 380, 452 324, 071				
4.NBT.2	В	Comparing M	ulti-Digit Whole Numbers	Days: 2
		Lesson 5:	Compare numbers based on meanings of the digits, using >,<, or = to record the comparison.	**Lesson 6: Complete application problems, but
	**Lesson 6: Find 1, 10, and 100 thousand more and less than a given number.		Find 1, 10, and 100 thousand more and less than a given number.	development and problem set with <u>Howard County</u> <u>NBT.2 Assessment Tasks</u>

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			numbers 2,3,4,5, and 6. You can carousel model, spending 7-8 minutes at each problem.			
By the end	of To	pic B, your students should be able to:				
 Use 	place	value to compare whole numbers up to a million using symbols to show the comparison	n (<, >, =).			
Snapshot As	sessm	ent: 4.NBT.2 Problems 3-4				
Example:		4. Compare the values of the				
		underlined digits. Using ">, <, or =".				
		(DOK 1)				
	;	8 <u>4</u> 1 4 <u>7</u> 5				
		1 <u>,6</u> 895,9 <u>7</u> 2				
4.NBT.3	С	Rounding Multi-Digit Whole Numbers	Days: 3			
		Lesson 7: Round multi-digit numbers to the thousands place using the vertical number line.	Lesson 10 when combining			
		Lesson 8: Round multi-digit numbers to any place using the vertical number line.	Lessons 9 and 10.			
		Lesson 9 - 10: Use place value understanding to round multi-digit numbers to any place value using real world applications.				
		Combine Lesson 9 & 10				



By the end of Topic C, your students should be able to:

• Round numbers up to a million to any place.

Snapshot As	sessme	ent 4.NBT.3 Pro	blems 1-4					
Example:	3 sl	3. Use the number line below to show which hundred 781 rounds to. (DOK 1)						
	7	00	800					
	•	F	>					
	E	xplain how you kn	ow.					
			3 Days for Remediation, Enrichment, Mid-Module Assessment					
Suggested Relative Va between th Revisit lesso	Tasks alue o em. (6 on 9 fc e Asse	: <u>f Places Tasl</u> 0 minutes)- 1 or rounding a essment Word	<mark>c and Rubric</mark> : This tasks allows students to understand the value of each di Day s a remediation or do Problem Solving Task <u>Where's The Beef?</u> -1 Day Document: Spend one day using mid module assessment task. Modify pro	igit and the relationship blem 3 to fit your				
students' ne	eds	1 Day						
4.OA.3	D	Multi-Digit W	nole Number Addition	Days: 2				
4.NBT.1 4.NBT.2		Lesson 11:	using tape diagrams.					
		Lesson 12:	Solve multi-step word problems using the standard addition algorithm modeled with tape diagrams and assess the reasonableness of answers using rounding.					
By the end	of Top	bic D, your stu	udents should be able to:					
 Add Marc 	three ch).	and four dig	its using the standard algorithm with minimal errors. (Working toward fluer	ncy within a million by				
 Solve 	e singl	e step word j	problems using addition.					
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Asses	ss their	work and th	ne work of others for reasonablen	ess using estimation, mental math, and	rounding.		
Snapshot Assessment 4.OA.3 Problem 1 Example:				Snapshot Assessment 4.NBT.4 Problems 1-4 Example:			
1. (On a vaca	ation, your family	y travels 267	4. Bethany and Carl both	solved		
mil	les on the	first day, 194 m	iles on the	9,718 + 3,856 = ?	F7 4		
sec	cond day.	and 34 miles or	n the third day.	Carl's answer was 12,574	574		
Но	w many n	niles did they tra	avel total?	,	-		
(DC	OK 1)			Who is correct? How do y (DOK 2)	ou know?		
4.OA.3	E	Multi-Digit W	hole Number Subtraction		Days: 4		
4.NBT.4 4.NBT.1 4.NBT.2		Lesson 13:	Lesson 16: The sprints in Lesson 16 and Lesson 19 are going to build				
		Lesson 14:	toundational skills tor the next unit, consider a short pre-teach for more success.				
		Lesson 15:	Use place value understanding to flu- times in any place using the standard algorithm to solve word problems usi	ently decompose to smaller units multiple I subtraction algorithm, and apply the ng tape diagrams.			
		Lesson 16:	Solve two-step word problems using modeled with tape diagrams and as rounding.	e two-step word problems using the standard subtraction algorithm fluently eled with tape diagrams and assess the reasonableness of answers using ding.			
By the end Subt a mil Solve	of Topi ract thr llion by e two st	ic E, your stu ee and four March). rep word pr	idents should be able to: digits using the standard algorith oblems using subtraction.	m with minimal errors. (Working toward	d fluency to subtract within		
Snapshot As Example:	sessmer	nt 4.OA.3 Pro	blem 2	Snapshot Assessment 4.NBT.4 Part B Pı Example:	oblems 1&4		
The ice cream	shop sol	d 2,789 chocol	ate cones and 5,324 cookie	Subtract 8,453-2,467 =			
dough cones.	They the . What wa	n sold 3,606 m as the total nui	ore peanut butter cones than mber of ice cream cones sold?				

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F	Addition and Subtraction Word Problems	Days: 2
	Lesson 17: Solve additive compare word problems modeled with tape diagrams.	If pacing is a challenge,
	Lesson 18: Solve multi-step word problems modeled with tape diagrams and assess the reasonableness of answers using rounding.	since multi-step problems are taught in Lesson 18. Instead
	Lesson 19: Create and solve multi-step word problems from given tape diagrams and equations.	embed problems from Lesson 17 into Module 2 or 3 as extension. Since multi- step problems are taught in Lesson 18, Lesson 19 could also be omitted.

By the end of Topic F, your students should be able to:

- Solve multistep word problems using addition and subtraction
- Skillfully use tape diagram or other models to represent word problems with addition and subtraction.

Sample Assessment 4.OA.3 (No adding and subtracting multistep Snapshot available on TFL). Example:

A bakery used 12,674 kg of flour. Of that, 1,802 kg was whole wheat and 888 kg was rice flour. The rest was all-purpose flour. How much all-purpose flour did they use? Solve and check the reasonableness of your answer.



3 Days for Re-Assessment, Remediation and Enrichment

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Suggested Tasks:

Carnival Tickets Problem Solving Task -1 Day

End of Module Assessment Problems 1-3. However, problem 3 can be a little confusing for students as it discusses population of various towns. Recommended to launch the assessment with a talk about these towns. You could also replace the towns' names with more familiar names (i.e. Tacoma, Federal Way, Seattle). -1 Day

End of Module Assessment Word Document

Return Tests and Remediate or extend lessons for further application-1 Day

Total Instructional Days: 24

Links Used:

Lesson 4: <u>How do you Write a Check to Pay for Something?</u> http://robertkaplinsky.com/work/write-a-check/

Lesson 6: <u>Howard County NBT.2 Assessment Tasks</u> <u>https://grade4commoncoremath.wikispaces.hcpss.org/assessing+4.NBT.2</u>

End of Unit Problem Solving Task Carnival Tickets <u>https://www.illustrativemathematics.org/content-standards/4/OA/A/3/tasks/1289</u>



4th Grade Pacing Module 2 with Suggested Modifications Key

Optional Lesson Extension Lesson

Remedial Lesson

Standards				
4.MD.1	А	Metric Unit Co	onversions	Days: 3
4.MD.2		Lesson 1:	Express metric length measurements in terms of a smaller unit; model and solve addition and subtraction word problems involving metric length.	
		Lesson 2:	Express metric mass measurements in terms of a smaller unit; model and solve addition and subtraction word problems involving metric mass.	
		Lesson 3:	Express metric capacity measurements in terms of a smaller unit; model and solve addition and subtraction word problems involving metric capacity.	
By the end	of To	pic A, your stu	udents should be able to:	
 Conv 	ert w	ithin the metrie	c system (mass, weight, volume, length).	
Snapshot As	sessm	ent Standard 4.	MD.1	
Example:				
1 km=	m,	3m 56cm=	=cm	
4.MD.1		Application of	f Metric Unit Conversions	Days: 1
4.MD.1 4.MD.2	В	Application of Lesson 4:	f Metric Unit Conversions Know and relate metric units to place value units in order to express	Days: 1 Optional Lesson 4, it is a
4.MD.1 4.MD.2	В	Application of Lesson 4:	f Metric Unit Conversions Know and relate metric units to place value units in order to express measurements in different units.	Days: 1 Optional Lesson 4, it is a great review lesson, as well
4.MD.1 4.MD.2	В	Application of Lesson 4: Lesson 5:	f Metric Unit Conversions Know and relate metric units to place value units in order to express measurements in different units. Use addition and subtraction to solve multi-step word problems involving length, mass, and capacity.	Days: 1 Optional Lesson 4, it is a great review lesson, as well as the pattern sheet on 2.B.11
4.MD.1 4.MD.2 By the end	B of To	Application of Lesson 4: Lesson 5: pic B, your stu	f Metric Unit Conversions Know and relate metric units to place value units in order to express measurements in different units. Use addition and subtraction to solve multi-step word problems involving length, mass, and capacity. udents should be able to:	Days: 1 Optional Lesson 4, it is a great review lesson, as well as the pattern sheet on 2.B.11
4.MD.1 4.MD.2 By the end of Solve	B of To e two	Application of Lesson 4: Lesson 5: pic B, your stu step addition	f Metric Unit Conversions Know and relate metric units to place value units in order to express measurements in different units. Use addition and subtraction to solve multi-step word problems involving length, mass, and capacity. udents should be able to: and subtraction word problems involving measurement.	Days: 1 Optional Lesson 4, it is a great review lesson, as well as the pattern sheet on 2.B.11
4.MD.1 4.MD.2 By the end • Solve	B of To e two	Application of Lesson 4: Lesson 5: pic B, your stu step addition	f Metric Unit Conversions Know and relate metric units to place value units in order to express measurements in different units. Use addition and subtraction to solve multi-step word problems involving length, mass, and capacity. udents should be able to: and subtraction word problems involving measurement.	Days: 1 Optional Lesson 4, it is a great review lesson, as well as the pattern sheet on 2.B.11
4.MD.1 4.MD.2 By the end • Solve Snapshot Ass	B of To e two sessm	Application of Lesson 4: Lesson 5: pic B, your stu step addition ent Standard 4.	f Metric Unit Conversions Know and relate metric units to place value units in order to express measurements in different units. Use addition and subtraction to solve multi-step word problems involving length, mass, and capacity. udents should be able to: and subtraction word problems involving measurement. MD.2	Days: 1 Optional Lesson 4, it is a great review lesson, as well as the pattern sheet on 2.B.11
4.MD.1 4.MD.2 By the end Solve Snapshot Ass Example:	B of To e two sessm	Application of Lesson 4: Lesson 5: pic B, your stu step addition ent Standard 4.	f Metric Unit Conversions Know and relate metric units to place value units in order to express measurements in different units. Use addition and subtraction to solve multi-step word problems involving length, mass, and capacity. udents should be able to: and subtraction word problems involving measurement. MD.2	Days: 1 Optional Lesson 4, it is a great review lesson, as well as the pattern sheet on 2.B.11
4.MD.1 4.MD.2 By the end • Solve Snapshot Ass Example:	B of Top two sessm 4. Ther	Application of Lesson 4: Lesson 5: pic B, your stu step addition ent Standard 4.	f Metric Unit Conversions Know and relate metric units to place value units in order to express measurements in different units. Use addition and subtraction to solve multi-step word problems involving length, mass, and capacity. Udents should be able to: and subtraction word problems involving measurement. MD.2 If each bag can	Days: 1 Optional Lesson 4, it is a great review lesson, as well as the pattern sheet on 2.B.11
4.MD.1 4.MD.2 By the end • Solve Snapshot Ass Example:	B of Top e two sessm 4. Ther hold 50	Application of Lesson 4: Lesson 5: pic B, your stu step addition ent Standard 4. re are 3 kg of rice. Og, how many bags	f Metric Unit Conversions Know and relate metric units to place value units in order to express measurements in different units. Use addition and subtraction to solve multi-step word problems involving length, mass, and capacity. udents should be able to: and subtraction word problems involving measurement. MD.2 If each bag can are needed?	Days: 1 Optional Lesson 4, it is a great review lesson, as well as the pattern sheet on 2.B.11
4.MD.1 4.MD.2 By the end • Solve Snapshot Ass Example:	B of Top two sessm 4. Ther hold 50 Jafar t	Application of Lesson 4: Lesson 5: pic B, your stu step addition ent Standard 4. re are 3 kg of rice. Og, how many bags hinks 6 bags are no	f Metric Unit Conversions Know and relate metric units to place value units in order to express measurements in different units. Use addition and subtraction to solve multi-step word problems involving length, mass, and capacity. udents should be able to: and subtraction word problems involving measurement. MD.2 If each bag can are needed? eeded. Jasmine Who is capacit2	Days: 1 Optional Lesson 4, it is a great review lesson, as well as the pattern sheet on 2.B.11
4.MD.1 4.MD.2 By the end • Solve Snapshot Ass Example:	B of Top two sessm 4. Ther hold 50 Jafar t thinks 3 Evaluation	Application of Lesson 4: Lesson 5: pic B, your stu step addition ent Standard 4. re are 3 kg of rice. Og, how many bags hinks 6 bags are needed.	f Metric Unit Conversions Know and relate metric units to place value units in order to express measurements in different units. Use addition and subtraction to solve multi-step word problems involving length, mass, and capacity. Udents should be able to: and subtraction word problems involving measurement. MD.2 If each bag can are needed? eeded. Jasmine Who is correct?	Days: 1 Optional Lesson 4, it is a great review lesson, as well as the pattern sheet on 2.B.11
4.MD.1 4.MD.2 By the end • Solve Snapshot Ass Example:	B of Top e two sessm 4. Ther hold 50 Jafar t thinks 3 Explain	Application of Lesson 4: Lesson 5: pic B, your stu step addition ent Standard 4. re are 3 kg of rice. Og, how many bags hinks 6 bags are needed. your thinking. (DOK	f Metric Unit Conversions Know and relate metric units to place value units in order to express measurements in different units. Use addition and subtraction to solve multi-step word problems involving length, mass, and capacity. Udents should be able to: and subtraction word problems involving measurement. MD.2 If each bag can there needed? eeded. Jasmine Who is correct? K2)	Days: 1 Optional Lesson 4, it is a great review lesson, as well as the pattern sheet on 2.B.11

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2 Days for Re-Assessment, Remediation and Enrichment End of Module Assessment Word Document: Problems 1-4a&b (4c is more than two steps, could be extra credit or challenge problem). -1 Day Return Tests and Remediate or extend lessons for further application. If this isn't needed, do Module 3, Lesson 1 Concept Development Problem 1 as is a great front load for the following unit on area and perimeter. -1 Day Total Instructional Days: 6



4th Grade Pacing Module 3 with Suggested Modifications Key

Optional Lesson Extension Lesson Remedial Lesson

Standards			Instructional Notes			
4.OA.1	А	Multiplicative	Days: 3			
4.OA.2		Lesson 1:	** Lesson 1- If pacing is a			
4.MD.3 4.OA.3		Lesson 2:	and 4 in in concept development.			
		Lesson 3:	Demonstrate understanding of area real world problems.	and perimeter	formulas by solving multi-step	
By the end Use f Find Solve	of To formul the m e word	pic A, your stu as to solve pr easurement o d problems b	udents should be able to: roblems with area and perimeter f an unknown lengths and widths y solving for a missing number	ſ		1
Snapshot As Example:	sessm	ent: 4.OA.2 F	Problem 1	Snapshot A Example	ssessment: 4.MD.3 Problems 1 1. Use the rectangle to solve the problem	&3 n.
1.)	Write t	he problem usir	ng a variable to			
ror	rocont	t the unknown r	ny a variable te			
(D)						
	UK I)					
Ar	ubber	band is stretche	ed to be 18 cm long			
an	d that i	s 3 times as lor	ng as it was at first		28 cm	
Но	w long	was the rubbe	r band at first?		The area of the rectangle is 420 cm ² . What is the perimeter of the rectangle?	
					(DOK 1)	
4.NBT.5	В	Multiplication	by 10, 100, and 1,000			Days: 2
4.OA.1 4.OA.2		Lesson 4-5:	Interpret and represent patterns wh arrays and numerically.	en multiplying	by 10, 100, and 1,000 in	Lessons 4 &5: Combine concept development of
4.NBT.1			Combine Lessons	4 and 5		Lesson 4-5. Use page 2 of both Problem Sets.
		Lesson 6:	Multiply two-digit multiples of 10 by model.	y two-digit mul	tiples of 10 with the area	



By the end of Topic B, your students should be able to:

• Multiply a whole number by multiples of 10.

Snapshot As	sessm	ent: 4.NBT.1		
Example: 30 X 10=	2	3 X 10=	4 X 4 000=	
	-			
4.NBT.5	С	Multiplication	of up to Four Digits by Single-Digit Numbers	Days: 3
4.OA.2		Lesson 7-8:	Use place value disks to represent up to four-digit by one-digit multiplication.	Lessons 7&8: Combine
4.NBT.1		Lessons 9–10:	Multiply three- and four-digit numbers by one-digit numbers applying the standard algorithm.	these lessons. **In Lesson 8 , omit the
		Lesson 11:	Connect the area model and the partial products method to the standard algorithm.	drawing of models in problem 2 and 4 in the concept development. Instead, have students think about and visualize what they would draw. Also omit the drawing with discs in problem 2 in the problem set. **Lesson 9: This skill is where students should be when looking at the January benchmark. **Lesson 10: This skill is the benchmark level for March.



By the end of Topic C, your students should be able to:

• Multiply 3 digits by a single digit using partial products, standard algorithm, and/or an area model. (Working toward multiplying 4 digits by 1 digit and 2 digits by 2 digits by March).

Snapshot As Example:	3. Draw nodel t	ent: 4.NBT.5 ing the area s and label an area to solve: 263 x 4 = $263 \times 4 = \$ ing the area ing the area 2200 1,600 240 234 8 (200 + 30 + 4) $\frac{x \ 8}{1,600}$ 240 234 8 (200 + 30 + 4) $\frac{x \ 8}{1,600}$ 240 1,872	4) (g × 4)			
4.OA.1 4.OA.2 4.OA.3	D	Multiplication Word Problems Lesson 12-13: Use multiplication, addition, or subtraction to including multiplicative comparisons.	solve multi-step word problems,	Days: 2 Use concept development from Lesson 12. With pacing in mind, consider using		
4.NBT.5		Combine Lesson 12 & 13 1 Day Math Task: Comparing Money Raised In this task, it builds meaning for multiplication strategies thro how multiplication equations model a situation. This is 2 by 1- to be a 3 by 1 or a 4 by 1 depending on your students' need	3 ough word problems. It also shows -digit; you could change the number ds.	problems 1 and 4 from Lesson 12 and problems 2 and 3 from Lesson 13.		
By the end Solv Solv Snapshot As	 By the end of Topic D, your students should be able to: Solve two step word problems using multiplication. Solve word problems solving multiplicative comparisons. Snapshot Assessment: 4.NBT.5 Problem 1 Snapshot Assessment: 4.OA.1					
Example: 1. Sue walks 2 miles to school every day except on Tuesdays. How many miles does Sue walk to school in 3 weeks? (DOK 1)			Example: Jonathan has 4 pieces of gum. Alondr How many pieces of gum does Alondr	ra has 2 times as many. ra have?		

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			2 Days for Remediation,	Enrichment	, Mid-Module Assessment		
Suggested	Task	s: <u>Krispy Kre</u>	<u>me Me</u> : In this task, students i	make estim	ates using multiplication and arec	a to figure out how many	
doughnuts	are in	a giant Krisp	y Kreme box.				
Mid Module	Asses	ssment Word D	ocument Problems 1-5. All prob	olems are re	levant to content taught. (1 Day)		
4.NBT.6	E	Division of Te	ens and Ones with Successive Remainders			Days: 4	
4.OA.3		Lesson 14	Solve division word problems w	ith remainde	rs.	**Lessons 14 & 15: tocus on	
		Lesson 15:	Understand and solve division p area models.	problems with	a remainder using the array and	Lesson 16 and 17: Omit, continue focus on area &	
		Lesson 16:	Understand and solve two-digit	dividend div	rision problems with a remainder in	array models	
			the ones place by using number	<mark>disks.</mark>		**Lesson 18: Solve division	
		Lesson 17:	Represent and solve division pro	oblems requir	ring decomposing a remainder in the	problems using standard	
			tens.	algorithm, not using place			
		Lesson 18:	Find whole number quotients an	nd remainders	s. *See instructional notes.	value disk model for division	
		Lesson 19:	Explain remainders by using pla	ace value unc	lerstanding and models.	was confusing for students.	
		Lessons 20-2	Solve division problems with and without remainders using the area model. *See instructional notes.			discussion of interpreting remainders into other division lessons.	
By the end	of To	pic E, your stu	dents should be able to:				
 Inter 	pret o	a remainder w	vithin division word problems.				
Find	whole	e number auo [.]	tients with 2 diait dividends c	and 1 diait	divisors usina array and area mo	dels.	
			3	5	3 • • •		
Snapshot As	sessm	ent: 4.NBT.6		Snapshot A	ssessment: 4.OA.3 Problem 2		
Example:	_			Example:	2. Frank has 234 baseball cards that h	e	
	00	0000			equally divided into 3 bags. He then too	- x	
		10 ÷2 = 5			one of these bass and equally split up t	he	
	1	5			baseball cards from the bag into 3 mor		
	2	10÷2			bas How many baseball cards were in	-	
		Q=5			each of these bass? (DOK 2)		
By the end Inter Find Snapshot As Example:	of To pret c whole ssessm	pic E, your stu a remainder w e number quo nent: 4.NBT.6	idents should be able to: vithin division word problems. tients with 2 digit dividends c	and 1 digit Snapshot A Example:	divisors using array and area mo ssessment: 4.OA.3 Problem 2 2. Frank has 234 baseball cards that he equally divided into 3 bags. He then too one of these bags and equally split up t baseball cards from the bag into 3 mor bags. How many baseball cards were in each of these bags? (DOK 2)	division lessons. dels. e ok he e	



4.OA.4	F	Reasoning wi	th Divisibility	Days: 3
		Lesson 22:	Find factor pairs for numbers to 100 and use understanding of factors to define prime and composite.	Consider doing a lesson on rules of divisibility to assist
		Lesson 23:	Use division and the associative property to test for factors and observe patterns.	pairs.
		Lesson 24:	Determine whether a whole number is a multiple of another number.	
		Lesson 25:	Explore properties of prime and composite numbers to 100 by using multiples.	
By the end	of To	pic F, your stu	dents should be able to:	
• Iden	tify m	ultiple factor	pairs within 100	
• Iden	tify if	a whole numb	per is prime or composite	
•				
Snapshoł As	sessm	ent: 4.OA.4 Pr	oblem 1-4	
2. Look at th	nese nu Imbers :	mbers. Circle the and put an X on t	he	
prime number	rs. (DO	K 1)		
12 7	13	21 43 36		
56 72	17	1/1 27 11		
4.OA.3	G	Division of Th	nousands, Hundreds, Tens, and Ones	Days: 6
4.NBT.6 4.NBT.1		Lesson 26:	Divide multiples of 10, 100, and 1,000 by single-digit numbers.*See instructional notes.	**Lessons 26 and 28: teach concepts without place value
			Lesson 27:	Represent and solve division problems with up to a three-digit dividend
			numerically and with number disks requiring decomposing a remainder in the hundreds place.	Optional Lesson 27
		Lesson 28:	Represent and solve three-digit dividend division with divisors of 2, 3, 4, and 5 numerically. *See instructional notes.	
		Lesson 29:	Represent numerically four-digit dividend division with divisors of 2, 3, 4, and 5, decomposing a remainder up to three times.	
		Lesson 30:	Solve division problems with a zero in the dividend or with a zero in the quotient.	
		Lesson 31:	Interpret division word problems as either number of groups unknown or group size unknown.	
		Lesson 32:	Interpret and find whole number quotients and remainders to solve one-step division word problems with larger divisors of 6, 7, 8, and 9.	Lesson 32 fluency practice is in anticipation of Module 4

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		Lesson 33:	Explain the connection of the for three- and four-digit divid	area model of d dends.	division to the long division algorithm	geometry concepts.	
By the end Find stan Whe unkn	of To whole dard en solv own.	pic G, your s e number quo algorithm and ring word pro	tudents should be able to: tients with 3 digit dividends d using 4 digit dividends in oblems, students will know th	and 1 digit o March. ne difference	livisors using array and area mo petween problems where either r	dels, working toward number of groups is	ds
Snapshot As Example: 2. Solv Show y	ssessm e 444 our tl	ent: 4.NBT.6 F	Problem 2 K 1)	Snapshot Example:	Assessment: 4.OA.3 Problem 4 4. Mr. Torres sold a total of 30 boxes of sports cards at his store. Each box contained 25 sports cards. He wants to display his cards on 5 shelves. How many cards will be on each shelf?	2	
4.NBT.5 4.OA.3 4.MD.3	H Multiplication of Two-Digit by Two-Digit Numbers Lesson 34-35: Multiply two-digit multiples of 10 by two-digit numbers using a place value char and an area model. Combine Lessons 34 & 35 Lesson 36: Multiply two-digit by two-digit numbers using four partial products. Lesson 37 38. Transition from four partial products to the standard algorithm for two digit by			it numbers using a place value chart 35 1 four partial products. andard algorithm for two-digit by	Days: 4 Lessons 34-35: Combi concept development Lessons 34-35 or choo one. These have the sc objective. Consider spending 3 c	ine of se ame days on	
By the end • Mult Mar	of To iple 2 ch.	pic H, your st digits by 2 c	two-digit multiplication. rudents should be able to: digits by using area model o	and partial pr	oducts, working towards mastery	Lessons and 1 day on practice.	hm by
Snapshot As Example:	4. I	ent: 4.NBT.5 Draw and lab del to solve: 23 x 18 =	Problem 4 el an area :				
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3 Days for Re-Assessment, Remediation and Enrichment

Suggested Tasks:

Howard County NBT.5 Assessment Tasks: These tasks give good practice for multiplying up to 4 digits. From here, you can pick the level of difficulty to meet your students' needs. Consider doing a carousel model.

Problem Solving Tasks: <u>The Baker</u>: In this task, students will demonstrate their understanding and make sense of the relationship between multiplication and division skills. *There is an error on the student work page, white out one of the "bagel" boxes

Public Schools of North Carolina provides additional multiplication and division rich tasks students could work on

<u>Mental Division Strategy</u> allows students a chance to analyze strategies.

End of Module Assessment Word Document Problems 1-3, 5, 6a-c *Consider omitting number 4 because of number disks.

Links Used:

Mid Module Remediation Problem Solving Task: Krispy Kreme Me <u>http://gfletchy.com/krispy-kreme-me/</u>

Mid Module Remediation Problem Solving Task: <u>Comparing Money Raised</u> <u>http://achievethecore.org/page/615/comparing-money-raised-task</u>

End of Module Remediation <u>Howard County NBT.5 Assessment Tasks</u> <u>https://grade4commoncoremath.wikispaces.hcpss.org/assessing+4.NBT.5</u>

End of Module Remediation <u>The Baker</u> <u>tasks/the%20baker.pdf</u> http://www.insidemathematics.org/assets/common-core-math-

End of Module Remediation Public Schools of North Carolina

http://3-5cctask.ncdpi.wikispaces.net/4.NBT.4-4.NBT.6

Total Instructional Days: 32

End of Module Remediation <u>Mental Division Strategy</u> <u>https://www.illustrativemathematics.org/content-</u> <u>standards/4/NBT/B/6/tasks/1774</u>



4th Grade Pacing Module 4 with Suggested Modifications Key

Optional Lesson Extension Lesson Remedial Lesson

Standards					Topic and Objectives	Instructional Notes
4.G.1	Α	Lines an	d Angles			Days: 3
		Lesson 1	1: Identif them in	y and drav n various co	v points, lines, line segments, rays, and angles and recognize ontexts and familiar figures.	problem set number 2 is
		Lesson 2	2: Use riç than ri	ght angles t ght angles.	o determine whether angles are equal to, greater than, or less Draw right, obtuse, and acute angles.	makes it challenging to identify the angles. Keep
		Lesson 3	3-4: Identif	y, define, c	and draw perpendicular and parallel lines.	right angle templates for
					Combine Lessons 3 and 4	concept development in
						Lesson 3 and 4. The problem
						set includes page 1 of each
						resources for practice with
						interactive geometry tools.
SBAC Releas	sed Ite	ems:			Name each angle as acute, right or obtuse.	
Example its descri <u>descript</u> i	e Stem iption. E on.	: Click in the bo Each figure may	ox that matches ea y be matched to m	ach figure with ore than one		
		Has at least one right angle	Has at least one pair of perpendicular sides	Has at least one pair of parallel sides		
Rectar	ngle					
Rhomb	>					
Parallelo) ogram					
Snapshot As	sessn	nent 4.G.1				

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4.MD.7	С	Problem Solv	ing with the Addition of Angle Measures	Days: 3
		Lesson 9:	Decompose angles using pattern blocks.	For pacing, consider
		Lessons 10:	Use the addition of adjacent angle measures to solve problems using a symbol for the unknown angle measure.	necessary for concept development.
		Topic C Day	2: Problem Solving Task Angle Tangle	
		Lesson 11:	Use the addition of adjacent angle measures to solve problems using a symbol for the unknown angle measure.	
By the end	of To	pic C, your st	udents should be able to:	
KnovSolve	v that e for u	on a straight unknown angl	line, two angles add up to 180°. e measures using addition or subtraction.	
SBAC Releas	sed Iter	ms 4.MD.7	Example Stem 1: Use the figure The measure of $\angle UWV = 33$ $\angle TWU$ is a right angle. The measure of $\angle SWV = 13$ $\frac{36^{\circ}}{4}$ The measure of $\angle SWV = 13$ $\frac{166^{\circ}}{5}$ Enter the measure, in degrees, of	to answer the question. 2°. 80°. ∠ <i>SWT</i> .
4.G.1 4.G.2	D	Two-Dimens	ional Figures and Symmetry Recognize lines of symmetry for given two-dimensional figures; identify line-	Days: 5 Have student and teacher
			a mana atria fian waa anad alyan u linaa af a mana atri	
4.G.3		Losson 13	symmetric figures and draw lines of symmetry.	Lesson 12 and 13.
4.G.3		Lesson 13:	symmetric figures and draw lines of symmetry. Analyze and classify triangles based on side length, angle measure, or both. Define and construct triangles from given criteria. Explore symmetry in triangles	Lesson 12 and 13.



Lesson 1	5: Classify quadrilaterals based on parallel and perpendicular lines and the presence or absence of angles of a specified size.	Lesson 15 requires grid paper, a ruler, and right
Lesson 1	6: Reason about attributes to construct quadrilaterals on square or triangular grid paper.	angle templates from Lesson 2. For Lesson 16 , use link provided in Concept Development for triangular grid paper.

By the end of Topic D, your students should be able to:

- Recognize and draw lines of symmetry in 2-D figures.
- Identify and classify triangles based on side length, angle measure, or both.
- Construct triangles.
- Classify quadrilaterals based on their sides and angles.
- Construct quadrilaterals on grid paper based on their attributes.

SBAC Released Items

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Example Stem: Click in the box that matches each figure with its description. Each figure may be matched to more than one description.

	Has at least one right angle	Has at least one pair of perpendicular sides	Has at least one pair of parallel sides
Rectangle			
Rhombus			
Parallelogram			

Example Stem: Decide whether the line appears to be a line of symmetry for the shape. Select Yes or No for each shape.





2 Days for Re-Assessment, Remediation and Enrichment

Suggested Tasks: Consider using Problem Solving Task <u>The Shape of Things</u> to design logos with rotational symmetry for a fictional company OR a fun <u>2D/3D Circle Folding Activity</u> OR <u>Quilt Making</u> where students demonstrate their understanding of concepts of 2 dimensional shapes and their properties.

End of Module Assessment Word Document Problems 1-4. Consider cutting out some of the problems as they can be repetitive.

Total Instructional Days: 18

Links Used:

Lesson 1-3 Interactive Geometry Tools <u>http://www.internet4classrooms.com/skill_builders/geometry_math_fourth_4th_grade.htm</u>

Lesson 5 Which Wedge is Right? <u>http://cloud.rpsar.net/edocs/Math/4thGrade/CIResources/Q4/Which Wedge is Right.pdf</u>

Lesson 7 Angle Tangle <u>http://cloud.rpsar.net/edocs/Math/4thGrade/ClResources/Q4/Angle Tangle.pdf</u>

Mid Module Remediation <u>https://grade4commoncoremath.wikispaces.hcpss.org/Assessing+4.MD.5</u>

End of Module <u>The Shape of Things</u> <u>http://www.insidemathematics.org/assets/problems-of-the-</u>

month/the%20shape%20of%20things.pdf

End of Module <u>2D/3D Circle Folding Activity</u> <u>http://flesolcobbcentral.typepad.com/cobb math esol/files/vocab with paper.pdf</u>

End of Module Quilt Making http://www.insidemathematics.org/assets/common-core-math-tasks/quilt%20making.pdf



4th Grade Pacing Module 5 with Suggested Modifications Key

Optional Lesson Extension Lesson Remedial Lesson

Standards			Topic and Objectives	
4.NF.3b	Α	Decompositio	n and Fraction Equivalence	Days: 4
4.NF.4a		Lesson 1–2:	Decompose fractions as a sum of unit fractions using tape diagrams.	Lessons 1-2: Combine the
4.NF.3a		Lesson 3:	Decompose non-unit fractions and represent them as a whole number times a unit fraction using tape diagrams.	lesson 1 and lesson 2. Use the problem set from lesson
		Lesson 4:	Decompose fractions into sums of smaller unit fractions using tape diagrams.	2.
		Lesson 5:	Decompose unit fractions using area models to show equivalence.	Teacher Prep: Have student and teacher materials
		Lesson 6:	Decompose fractions using area models to show equivalence.	prepared prior to lesson.
				Optional Lesson 4: Concepts developed in lessons 1-3.
By the end	of To	pic A, your stu	udents should be able to:	

- Decompose a fraction into a sum of fractions with the same denominator
- Decompose fractions using the area model to show equivalent fractions

Sample Assessment Standard 4.NF.3b



Sample Assessment Standard 4.NF.4a

Example Stem: Enter the unknown number that makes the equation true.

$$\frac{4}{12} = \Box \times \frac{1}{12}$$



4.NF.1	В	Fraction Equiv	valence Using Multiplication and Division	Days: 5
4.NF.3b		Lessons 7:	Use the area model and multiplication to show the equivalence of two fractions.	
		Lessons 8:	Use the area model and multiplication to show the equivalence of two fractions.	
		Lessons 9:	Use the area model and division to show the equivalence of two fractions.	
		Lessons 10:	Use the area model and division to show the equivalence of two fractions.	
		Lesson 11:	Explain fraction equivalence using a tape diagram and the number line, and relate that to the use of multiplication and division.	

By the end of Topic B, your students should be able to:

• Use area, multiplication and division, number line, or models to show and explain the equivalence of two fractions

SBAC Released Item 4.NF.1:

Example Stem: Figure A has $\frac{2}{3}$ of its whole shaded gray.



Figure A

Decide whether each fraction is equal to $\frac{2}{3}.$ Select Yes or No for each fraction.

	Yes	No
4 6		
$\frac{1}{2}$		
8 12		



4.NF.2	С	Fraction Com	parison	Days: 4
		Lessons 12: Lessons 13: Lessons 14: Lessons 15:	Reason using benchmarks to compare two fractions on the number line. Reason using benchmarks to compare two fractions on the number line. Find common units or number of units to compare two fractions. Find common units or number of units to compare two fractions.	Lessons 12 & 13 Teacher Prep: Have student and teacher materials prepared prior to lesson (number lines). Hands on Activity: <u>Picking Fractions</u>
		Lessons 15:	Find common units or number of units to compare two fractions.	Hands on Activity: Picking Fractions

By the end of Topic C, your students should be able to:

- Understand that in order to compare fractions, the 2 fractions refer to the same whole
- Compare 2 fractions using benchmarks
- Compare fractions through finding common denominators

Sample Assessment 4.NF.2

Example Stem: Select True if the comparison is true. Select False if the comparison is **not** true.

	True	False
$\frac{1}{4} < \frac{2}{12}$		
$\frac{2}{10} > \frac{3}{5}$		
$\frac{4}{6} > \frac{5}{12}$		

4.NF.3a D Fraction Addition and Subtraction

Days: 5

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4.NF.3d	Lesson 16:	Use visual models to add and subtract two tractions with the same units	
4.NF.1 4.MD.2	Lesson 17:	Use visual models to add and subtract two fractions with the same units, including subtracting from one whole.	Lessons 20-21: Combine the
	Lesson 18:	Add and subtract more than two fractions.	concept development of
	Lesson 19:	Solve word problems involving addition and subtraction of fractions.	Lesson 20 and Lesson 21. Use the problem set page 1
	Lessons 20-2	1: Use visual models to add two fractions with related units using the denominators 2, 3, 4, 5, 6, 8, 10, and 12.	from both Lesson 20 and 21 and the sprint from Lesson
		Combine Lessons 20 and 21	21.
	1 Day Math	Task: <u>Chocolate Bar Fractions</u>	
By the end of	Topic D, your stu	udents should be able to:	

- Use visual models to add and subtract fractions
- Use visual models to subtract a fraction from one whole
- Add and subtract fractions where one denominator is a multiple or factor of the other (denominators: 2, 3, 4, 5, 6, 8, 12, 10, 100)

Sample Assessment 4.NF.3a

Sample Assessment 4.NF.3d





Example Stem 1: Enter the unknown number that makes the equation true.

$$\frac{7}{s} - \Box = \frac{4}{s}$$

Example Stem 2: Enter the unknown number that makes the equation true.

$$\frac{4}{5} = \Box + \frac{2}{5}$$

2 Days for Remediation, Enrichment, Mid-Module Assessment

Mid-Module Assessment Word Document

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Suggested Tasks:

• <u>Got Your Number, Level C</u> This task (and the ones at the end of the unit) covers a variety of standards from this module. Any of these tasks could be used at any point in the module, depending on the needs of your students.

4.NF.1	E	Extending Fra	ction Equivalence to Fractions Greater than 1	Days: 7
4.NF.2 4.NF.3		Lesson 22:	Add a fraction less than 1 to, or subtract a fraction less than 1 from, a whole number using decomposition and visual models.	
4.NBT.6 4.NF.4a		Lesson 23:	Add and multiply unit fractions to build fractions greater than 1 using visual models.	
4.MD.4		Lessons 24:	Decompose and compose fractions greater than 1 to express them in various forms.	
		Lessons 25:	Decompose and compose fractions greater than 1 to express them in various forms.	
		Lesson 26:	Compare fractions greater than 1 by reasoning using benchmark fractions.	
		Lesson 27:	Compare fractions greater than 1 by creating common numerators or denominators.	
		Lesson 28:	Solve word problems with line plots.	
4.NF.3c	F	Addition and	Subtraction of Fractions by Decomposition	Days: 5
4.NF.3d		Lesson 29:	Estimate sums and differences using benchmark numbers.	Lesson 29: Estimation is not
4.MD.2		Lesson 30:	Add a mixed number and a fraction.	standard in this module
		Lesson 31:	Add mixed numbers.	
		Lesson 32:	Subtract a fraction from a mixed number	
		Lesson 33:	Subtract a mixed number from a mixed number.	
		Lesson 34:	Subtract mixed numbers.	
By the end	of To	pic F, your stu	dents should be able to:	1

• Choose from a variety of strategies to add and subtract mixed numbers

Snapshot Assessment 4.NF.3a & b Problems 3 and 4

 Examples:
 3. Emily, Kim, and McKenzie made a pan of

 Image: Colling Guides | brownies. Emily ate $\frac{3}{12}$ and Kim and
 4. Kara and Olivia are making a strawberry

 Pacing Guides | brownies. Emily ate $\frac{3}{12}$ and Kim and
 Image: Colling Guides | brownies. Emily ate $\frac{3}{12}$ and Kim and

 Based on a wol McKenzie each ate $\frac{2}{12}$ of the pan of the treats. Draw a visual model to show each
 Image: Colling Guides | brownies. Emily ate $\frac{3}{12}$ and Kim and



IF.4	G	Repeated Add	dition of Fractions as Multiplication	Days: 6
D.4 A.2		Lessons 35:	Represent the multiplication of <i>n</i> times a/b as $(n \times a)/b$ using the associative property and visual models.	
\D.2		Lessons 36:	Represent the multiplication of <i>n</i> times a/b as $(n \times a)/b$ using the associative property and visual models.	
		Lessons 37:	Find the product of a whole number and a mixed number using the distributive property.	
		Lessons 38:	Find the product of a whole number and a mixed number using the distributive property.	
		Lesson 39:	Solve multiplicative comparison word problems involving fractions.	
		Lesson 40:	Solve word problems involving the multiplication of a whole number and a fraction including those involving line plots.	



By the end of Topic G, your students should be able to:

- Use the associative property to multiply a fraction by a whole number
- Use the distributive property to multiply a whole number by a mixed number
- Solve word problems involving multiplicative comparisons and multiplication of a whole number and a fraction

SBAC Relea Example S bottles of v does Sam	sed Ite Stem: water t need t	ms 4.NF.4 : A bottle holds $\frac{3}{5}$ liter of water. Sam needs 8 o fill his fish tank. How many liters of water o fill the fish tank? Enter the number of liters.	Select all the numbers that make this in $\frac{3}{0} \times 10 < 10$ A. 2 B. 3 C. 7 D. 9	nequality true.
4.OA.5	H	ExplorationLesson 41:Find and use a pattern to calculate the 1. Share and critique peer strategies.	sum of all fractional parts between 0 and	Days: 0 Lesson 41: This standard is assessed in other modules.
		2 Days for Re-Assessment, F	Remediation and Enrichment	
Suggested Suggested <u>Suggested</u> <u>Butte</u> <u>Whe</u> <u>End of Mode</u> End of Mode	Task ar in S on Dic at's the dule Ass	s: <u>wix Cans of Soda</u> <u>meters</u> <u>e Story</u> (use pg. 25) Assessment Word Document sessment Notes: For pacing needs, items 5 and 6 may	be omitted.	

Total Instructional Days: 41



Links Used:

Chocolate Bar Fractions: http://schools.nyc.gov/NR/rdonlyres/0C0422CA-DBAF-4476-928F-71102DB2F703/140801/NYCDOE G4 ChocolateBarFractions FINAL.pdf

<u>Picking Fractions</u>: <u>http://www.insidemathematics.org/assets/common-core-math-tasks/picking%20fractions.pdf</u>

<u>Got Your Number, Level C: http://insidemathematics.org/problems-of-the-month/pom-gotyournumber.pdf</u>

Sugar in Six Cans of Soda: https://www.illustrativemathematics.org/content-standards/4/NF/B/4/tasks/857

What's the Story: https://www.georgiastandards.org/Georgia-Standards/Frameworks/4th Math-Unit-7.pdf



4th Grade Pacing Module 6 with Suggested Modifications Key

Optional Lesson Extension Lesson Remedial Lesson

Standards			Topic and Objectives	Instructional Notes
4.NF.6	Α	Exploration of	of Tenths	Days: 3
4.NBT.1		Lesson 1:	Use metric measurement to model the decomposition of one whole into tenths.	Lesson 2 & 3 Teacher Prep:
4.MD.1		Lesson 2:	Use metric measurement and area models to represent tenths as fractions greater than 1 and decimal numbers.	materials prior to lesson
		Lesson 3:	Represent mixed numbers with units of tens, ones, and tenths with number disks, on the number line, and in expanded form.	
By the end	of To	pic A, your st	rudents should be able to:	
Use a	decim	al notation to	p represent fractions with a denominator of 10 $2\frac{L}{10}$	
Sample Asse	essmer	nt Item 4.NF.6	$2 \frac{4}{1}$	
3. Locate 0.8 (DOK 1)	8 on th	ne number line.		
←-	-		$2\frac{1}{10} = 2 + \frac{5}{10}$	
0	<u>1</u> 2		1 2.6 2.6	
4.NF.5	В	Tenths and H	lundredths	Days: 4
4.NF.6 4.NBT.1	-	Lesson 4:	Use meters to model the decomposition of one whole into hundredths. Represent and count hundredths.	Optional Lesson 4: Incorporates measurement
4.NF.1 4.NF.7		Lesson 5:	Model the equivalence of tenths and hundredths using the area model and number disks.	conversion into tenths and hundredths
4.MD.1		Lesson 6:	Use the area model and number line to represent mixed numbers with units of ones, tenths, and hundredths in fraction and decimal forms.	Lesson 5, 6 & 8 Teacher Prep: Copy teacher and student
		Lesson 7:	Model mixed numbers with units of hundreds, tens, ones, tenths, and hundredths in expanded form and on the place value chart.	materials prior to lessons
		Lesson 8:	Use understanding of fraction equivalence to investigate decimal numbers on the place value chart expressed in different units.	



By the end of Topic B, your students should be able to:

- Use decimal notation to represent fractions with denominators of 10 and 100
- Use a model to represent the equivalence between tenths and hundredths

SBAC Released Item:

Sample Assessment:

and a fraction: (DOK 1)

1. Write the following as a decimal

 $\mbox{Example Stem:}$ Determine if each equation is true or false. Select True or False for each equation.

	True	False
$\frac{4}{10} = \frac{40}{100}$		
$\frac{5}{10} = \frac{50}{10}$		
$\frac{11}{10} = \frac{110}{100}$		

2 Days for Remediation, Enrichment, Mid-Module Assessment

Mid-Module Assessment Word Document

Suggested Task:

Dismissal Duty Dilemma (pg. 49)

4.NF.7	С	Decimal Comp	parison	Days: 2
4.MD.1 4.MD.2		Lesson 9:	Use the place value chart and metric measurement to compare decimals and answer-comparison questions.	Extension Lesson 9, use if time permits
		Lesson 10:	Use area models and the number line to compare decimal numbers, and record comparisons using <, >, and =.	Lesson 10 &11 Teacher Prep: Copy teacher and student
		Lesson 11:	Compare and order mixed numbers in various forms.	materials prior to lesson.

By the end of Topic C, your students should be able to:

• Compare decimals to the hundredths place by reasoning about their size when relating to the same whole

Snapshot Assessment 4.NF.7 :

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2. Use <, =, > to make the number sentence				4. Hector's teacher was meeting with him to											
below correct. (DOK 1)			discuss his mistake on a recent decimals test.												
4.54				(DOK 3)					1						
3.2	3.09	9		Hector a	nswered, '	'There	is on	e piece :	shaded	lin					
				each grid, so they must be equal."											
				Imagine you are Hector's teacher. Using decimals,											
0.9	1			how woul	d you help	correc	ct his	thinking	g?						
4.NF.5	D	Addition with Te	enths and Hundred	ths										Days: 2	
4.NF.6		Lesson 12:	Apply understandin	g of fract	tion equiv	alence	e to (add ten	ths an	id hun	dred	ths.	Less	son 12 Teacher Prep:	
4.NF.3c		Lesson 13:	Add decimal numbe	ers by con	verting to	o fract	ion f	orm.			Copy teacher and student materials prior to lesson.				
4.MD.1 Lesson 14: Solve word problem				ems involving the addition of measurements in decimal form. Lesson 14: Extension, use if time permits					e if						
By the end of Topic D, your students should be able to:															
• Convert fractions with denominators of 10 or 100 to equivalent fractions as necessary to add tenths and hundredths															
SBAC Releas	ed Iter	n:													
Example Stem: [Example Stem: Determine if each equation is true or false.														

Select True or False for each equation.

	True	False
$\frac{5}{10} + \frac{18}{100} = \frac{68}{100}$		
$\frac{11}{10} + \frac{13}{100} = \frac{24}{100}$		
$\frac{10}{10} + \frac{45}{100} = \frac{145}{100}$		



4.MD.2	Е	Money Amounts as Decimal Numbers	Days: 0
4.NF.5		Lesson 15: Express money amounts given in various forms as decimal numbers.	Lessons 15 & 16: These
4 NF 6			lessons are review and
		Lesson 10: Solve word problems involving money.	connect money to place
			value. Pieces of these lessons
			could be used at the
			beginning of the module to
			connect place value
			conversions to something the
			students already know.
			Money is revisited in Module
			7.
		2 Days for Re-Assessment, Remediation and Enrichment	
Sample Ta	sk:		
Ticket Task	click	on Quarter 3. Performance Task 1	
End of Mo	dule /	Assessment Word Document	
Notes: Co	rrect t	he error on #1. The fraction should say $\frac{8}{-}$.	
		10	
Because les	ssons o	on measurement and money were optional, #4 and parts of #6 may be omitted.	
			Total Instructional Days: 15
Links Used:			
Module Ass	sessme	nts: https://www.engageny.org/resource/grade-4-mathematics-module-6	

Dismissal Duty Dilemma: https://www.georgiastandards.org/Georgia-Standards/Frameworks/4th-Math-Unit-5.pdf

Ticket Task: https://grade4commoncoremath.wikispaces.hcpss.org/Assessing+4.NF.6



4th Grade Pacing Module 7 with Suggested Modifications Key

Optional Lesson Extension Lesson Remedial Lesson

Standards			Topic and Objectives	Instructional Notes
4.OA.1	Α	Measurement	Conversion Tables	Days: 5
4.OA.2 4.MD.1		Lessons 1:	Create conversion tables for length, weight, and capacity units using measurement tools, and use the tables to solve problems.	Lesson 1 sprint is prep for money which they will be
4.NBT.5 4.MD.2		Lesson 2:	Create conversion tables for length, weight, and capacity units using measurement tools, and use the tables to solve problems.	unit. Lesson 2 has core fluency
		Lesson 3:	Create conversion tables for units of time, and use the tables to solve problems.	practice sets that review
		Lesson 4-5:	Solve multiplicative comparison word problems using measurement conversion tables and share/critique peer strategies.	skills learned throughout the year. Consider doing Lesson
			Combine Lesson 4 & 5	materials to allow time to
		1 Day Math	Task: <u>How Many Movies Can You See in One Day?</u>	explore unit conversions. Lesson 3 needs a timer or an opling stopwatch
				Lesson 4 and 5: Choose one
				concept development. Use
				Lesson 4 problem set with
				Critique Form.
By the end	of To	pic A, your stu	udents should be able to:	
 Use r 	nultip	lication to do	measurement conversions within a single system.	
 Know 	v the r	relative size c	of units within a measurement system.	
 Make 	e and	use conversion	on tables to compare sizes.	
• Shar	e thei	r problem sol	ving strategies and critique peer strategies	
C				
Charlie and 1	essmer	II nde ara plannin	a for a pizza party. They purchased 3 quarts of milk. If each alass holds 1 and will a	vorvono act at least one alass
of milk?		nas are plannin	g for a pizza party. They porchased 5 quarts of milk. If each glass holds if cop will ev	er yone ger ar least one glass
4.OA.2	В	Problem Solv	ing with Measurement	Days: 5
4.OA.3		Lesson 6:	Solve problems involving mixed units of capacity.	
4.MD.1 4.MD.2		Lesson 7:	Solve problems involving mixed units of length.	

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4.NBT.5		Lesson 8: Solve problems involving mixed units of weight.	
4.NBT.6		Lesson 9. Solve problem involving mixed units of time.	
		Lessons 10–11: Solve multi-step measurement word problems. Combine 10 & 11	Combine Lesson 10 and 11 and consider using the carousel model.
By the end	of To	pic B, your students should be able to:	
 Add 	and s	ubtract mixed units of capacity, length, weight, and time.	
Solv	e mult	istep word problems involving measurement and conversions.	
Snapshot As	sessm	ent 4.MD.2- Use Questions 1 and 2	
4.OA.3	С	Investigation of Measurements Expressed as Mixed Numbers	Days: 0
4.MD.1		Lessons 12–13: Use measurement tools to convert mixed number measurements to smaller units.	Extension Lessons 12-14.
4.MD.2		Lesson 14: Solve multi-step word problems involving converting mixed number measurements	Conversion of mixed number measurements is not
4.NBT.5		to a single unit.	necessary to meet the
4.NBT.6			standard in 4 th grade.
		3 Days for Re-Assessment, Remediation and Enrichment- End of Module Assessme	ent
Mid-Modul	<u>e Asse</u> Tacko	assment word Document	
	bo Do	we where students need to find out how much sugar is in a case of Mountain Dow	
	Annla	where students first estimate and then find out the weight of an apple	
• <u>Ine</u>		, where students first estimate and then find out the weight of an apple.	
	D	Year in Review	Days: 0
		Lessons 15–16: Create and determine the area of composite figures.	Include as review as needed.
		Lesson 17: Practice and solidify Grade 4 fluency.	Students make a tolder of
		Lesson 18: Practice and solidify Grade 4 vocabulary.	break.
			Total Instructional Days: 13



Links Used:

Module Assessments: <u>https://www.engageny.org/resource/grade-4-mathematics-module-6</u>

"How Many Movies Can You See in One Day?" Task: <u>http://robertkaplinsky.com/work/movies/</u>

"Do the Dew" Task: <u>http://gfletchy.com/do-the-dew/</u>

"The Apple" Task: <u>http://gfletchy.com/the-apple/</u>

