



Whole Class Lessons and Guided Math Groups Active Engagement and Games Intervention and Enrichment EXIT TICKETS







I Plan ~ You Teach

Helping you live your life AND be the math teacher that gets results

Are you ready for	<u>2nd Grade Math</u>	<u> 3rd Grade Math</u>
Help?	<u>Lesson Plans</u>	<u>Lesson Plans</u>
Click the links for Lesson Plans that	<u>4th Grade Math</u>	<u>5th Grade Math</u>
align with TEXAS TEKS!	<u>Lesson Plans</u>	<u>Lesson Plans</u>

T SFF YOU~

- struggling each week to write lesson plans that meet the rigor of the TEKS.
- searching endlessly for resources that will help kids learn math while being challenged and engaged.
- staying late everyday after school working on plans and creating everything from scratch.

You are exhausted from working with students all day, and still have to prep, write and create.

T SEE YOU~

SACRIFICING your time with your family

and friends



to ensure success for ALL of OUR Children.

Want to know when sales are happening? Click links to follow



Decimal Multiplication And Division									
Name	I	2	3	4	5	6	7	8	9

Nan	Name			Mu	ltipl	ication And Divisior
LT	Statement	1	2	3	4	Evidence
I	I can estimate to determine solutions to mathematical and real-world problems involving addition, subtraction, or multiplication.					
2	I can estimate to determine solutions to mathematical and real-world problems involving addition, subtraction, or division					
3	I can represent multiplication of decimals with products to the hundredths using objects and pictorial models, including area models.					
4	I can solve for products of decimals to the hundredths, including situations involving money, using strategies based on place-value understandings.					
5	I can solve for products of decimals to the hundredths, including situations involving money, using strategies based on properties of operations					

I	2	3	4
I have no idea how to	I can do this with	I can do this by	I can teach someone
do this.	some help.	myself	to do this.

Name Decimal Multiplication And Divisio						ication And Divisio		
LT		Statement	I 2 3 4			3	Ч	Evidence
6	I can solve for products of decimals to the hundredths, including situations involving money, using strategies based on the relationship to the multiplication of whole numbers.							
 I can represent quotients of decimals to the Hundredths, up to four-digit dividends and two digit whole number divisors, using objects and pictorial models, including area models. 								
8	I can solve for quotients of decimals to the hundredths, up to four-digit dividends and two-digit whole number divisors, using strategies and algorithms, including the standard algorithm.							
9	 9 I can simplify numerical expressions that do not involve exponents, including up to two levels of grouping. 							
		2			3			4
I ha	ve no idea how to do this.	I can do this with some help.	I can do this by myself		Ý	I can teach someone to do this.		

Learning Target	What do we want students to learn?	How will we know if they learned it?	What will we do if they don't?	What will we do if they already know it?
I 5.3A	Estimate to determine solutions to mathematical and real-world problems involving addition, subtraction, or multiplication.	 Multiply tenths by tenths Multiply tenths by hundredths or vice versa Multiply tenths by thousandths or vice versa Multiply whole numbers by tenths, hundredths, and thousandths or vice versa 	 Recognize division presented in a real- world problem situation Understand the phrase "times as long as" as a verbal description indicating a multiplicative relationship Understand the relationship between multiplication and division within a multiplicative relationship Understand how to use rounding or compatible numbers to estimate a solution Understand how to use rounding or compatible numbers to estimate a solution Understand how to determine the reasonableness of an estimation Determine a reasonable estimate of the solution to a problem involving division and represent the solution using verbal descriptions. 	
2 5.3A	Estimate to determine solutions to mathematical and real-world problems involving addition, subtraction, or division.	 Dividend to the tenths and whole number divisor Dividend to the hundredths and whole number divisor Whole number dividends and whole number divisors that yield decimal quotients to the hundredths 		 Understand the relationship between multiplication and division within a multiplicative relationship Understand how to use rounding or compatible numbers to estimate a solution Understand how to determine the reasonableness of an estimation Determine a reasonable estimate of the solution to a problem involving division and represent the solution using verbal descriptions.
3 5.3D	Represent multiplication of decimals with products to the hundredths using objects and pictorial models, including area models.	 Base-IO place value system Place value relationships to determine products Recognition of multiplication in mathematical and real-world problem situations Objects and pictorial models Area models Decimal grids Number lines Ratio tables 	 Understand multiplication is the joining of equal groups Understand how whole numbers and decimals can be represented using a pictorial base-I0 model Understand how multiplication of decimals can be represented using a pictorial base-I0 model Represent multiplication of a whole numbers and decimal using a base-I0 model 	Multiply and divide positive rational numbers fluently.

Learning Target	What do we want students to learn?	How will we know if they learned it?	What will we do if they don't?	What will we do if they already know it?
Ч 5.3E	Solve for products of decimals to the hundredths, including situations involving money, using strategies based on place-value understandings	Base-IO place value system	 Recognize multiplication of decimal numbers presented in a real-world problem situation Understand how to multiply two decimal numbers Solve a problem involving multiplication of decimal numbers 	Multiply and divide positive rational numbers fluently.
5 5.3E	Solve for products of decimals to the hundredths, including situations involving money, using strategies based on properties of operations	 Commutative property of multiplication Associative property of multiplication Distributive property of multiplication 	number s	Multiply and divide positive rational numbers fluently.
6 5.3E	Solve for products of decimals to the hundredths, including situations involving money, using strategies based on the relationship to the multiplication of whole numbers.	 Strategies for multiplication Distributive property for partial products Doubling and halving Relate multiplication (associative property) to numerical notation Ratio tables Equation(s) to reflect solution process 	 Recognize multiplication of decimal numbers presented in a real-world problem situation Understand how to multiply two decimal numbers Solve a problem involving multiplication of decimal numbers 	Multiply and divide positive rational numbers fluently.

Learning Target	What do we want students to learn?	How will we know if they learned it?	What will we do if they don't?	What will we do if they already know it?
7 5.3F	Represent quotients of decimals to the hundredths, up to four- digit dividends and two digit whole number divisors, using objects and pictorial models, including area models.	 Relationships between multiplication and division to help in solution process Connections between division of whole numbers and division with decimals Base-IO place value system Place value relationships to determine quotients Recognition of division in mathematical and real- world problem situations Expression(s) to represent problem situation Equation(s) to reflect solution process Objects and pictorial models Base-IO blocks Area models Decimal grids Number lines Ratio tables 	 Recognize division of a decimal value by a whole number presented in a real-world problem situation Understand the relationship between known values and the operation in a real-world problem situation Represent division of a decimal divided by a whole number using an expression Understand how to interpret a base-IO model demonstrating a decimal value divided by a whole number Represent division of a decimal value divided by a whole number using a base-IO model demonstrating a decimal value divided by a whole number Represent division of a decimal value divided by a whole number Represent division of a decimal value divided by a whole number Understand how to interpret a hundredths model demonstrating a decimal value divided by a whole number Understand how to interpret a hundredths model demonstrating a decimal value divided by a whole number Understand the relationship between decimal multiplication and decimal division represented in a hundredths model Understand that there are IOO squares in a hundredths model and that one square represents one-hundredth and ten squares represent a tenth 	Multiply and divide positive rational numbers fluently.

Learning Target	What do we want students to learn?	How will we know if they learned it?	What will we do if they don't?	What will we do if they already know it?
8 5.3G	Solve for quotients of decimals to the hundredths, up to four- digit dividends and two- digit whole number divisors, using strategies and algorithms, including the standard algorithm.	 Base-IO place value system Place value relationships to determine quotients Recognition of division in mathematical and real-world problem situations Division structures Partitive division Total amount known Number of groups known Size or measure of each group unknown Quotative division (also known as Measurement division) Total amount known Size or measure of each group unknown Quotative division (also known as Measurement division) Total amount known Size or measure of each group known Decomposing division problems into partial quotients Standard algorithm using the distributive method Record steps that relate to the algorithm used including distributing the value in the quotient according to place value. Standard algorithm Remainder dependent upon the mathematical and real-world problem situation Various ways to record remainder Add one to the quotient as a decimal Remainder is the answer Conversion of remainder into smaller units 	 Recognize division of a decimal value by a whole number presented in a real-world problem situation Understand how to divide a decimal to the hundredths by a one-digit whole number Solve a problem involving division of a decimal by a whole number 	Multiply and divide decimals fluently.

Learning Target	What do we want students to learn?	How will we know if they learned it?	What will we do if they don't?	What will we do if they already know it?
9 5.4F	Simplify numerical expressions that do not involve exponents, including up to two levels of grouping.	Order of operations - the rules of which calculations are performed first when simplifying an expression	 Understand the order of operations Understand that parentheses are grouping symbols that indicate the part of the expression that should be simplified first Understand that parentheses without an operation symbol indicate multiplication; a(b) means a multiplied by b Represent a problem situation involving multiplication and subtraction using an expression Understand that parentheses and brackets are grouping symbols that indicate the part of the expression that should be simplified first Understand that when an expression contains a set of grouping symbols within another set of grouping symbols, the innermost set of grouping symbols should be simplified first Simplify an expression using order of operations 	 Simplify numerical expressions that may include a division bar instead of the division symbol. Generate equivalent numerical expressions using order of operations, including whole number exponents and prime factorization.

Day I	Day 2	Day 3	Day 4	Day 5
Math Huddle LT I Estimation Compatible Numbers	Mini Lesson LT 3 Model Decimal Multiplication	Mini Lesson LT 3 Model Decimal Multiplication	Independent Practice LT 3 Model Decimal Multiplication	Mini Lesson LT 4, 5, 6 Solve Decimal Multiplication
Guided Math	Guided Math	Guided Math	Guided Math	Guided Math
Reteach Unit 4	LTI	LT 3	LT 3	LT 4, 5, 6
Day 6	Day 7	Day 8	Day 9	Day IO
Independent Practice LT 4, 5, 6, 9	Mini Lesson LT 9 Order of Operations Decimal x	Mini Lesson LT 7 Model Decimal Division	Mini Lesson LT 7 Model Decimal Division	Mini Lesson LT 7 Model Decimal Division
Guided Math	Guided Math	Guided Math	Guided Math	Guided Math
LT 9	LT 9	LT 7	LT 7	LT 8
Day II	Day I2	Day 13	Day I4	·
Mini Lesson LT 8 Solve Decimal Division	Independent Practice LT 4, 5, 6, 7, 9	Game LT 9 Order of Operations	Independent Practice LT 4, 5, 6, 7, 9	Decimal Multiplicatior And Division
Guided Math	Guided Math	Guided Math	Guided Math	
LT 9	LT 9	LT 4, 5, 6, 7, 9 ©iPohly INC	LT 4, 5, 6, 7, 9	14

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l hope this helps your students!



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