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$5^{\text {th }}$ Grade
DECIMAL

Created By:
Misty Pohly


Whole ciass 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 Help?
Click the links for Lesson Plans that $\quad 4^{\text {th }}$ Grade Math align with TEXAS TEKS!

2 2nd $^{\text {Grade Math }}$ Lesson Plans Lesson Plans
$3{ }^{\text {rd }}$ Grade Math Lesson Plans

## $5^{\text {th }}$ Grade Math Lesson Plans

## I SEE 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.

I SEE YOU~
SACRIFICING your time with your family and friends
to ensure success for ALL of OUR Children.
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| LT | Statement | I | 2 | 3 | 4 | Evidence |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| I | I can estimate to determine solutions to <br> mathematical and real-world problems <br> involving addition, subtraction, or <br> multiplication. |  |  |  |  |  |
| $\mathbf{2}$ | I can estimate to determine solutions to <br> mathematical and real-world problems <br> involving addition, subtraction, or division |  |  |  |  |  |
| $\mathbf{3}$ | I can represent multiplication of decimals <br> with products to the hundredths using <br> objects and pictorial models, including area <br> models. |  |  |  |  |  |
| $\mathbf{4}$ | I can solve for products of decimals to the <br> hundredths, including situations involving <br> money, using strategies based on place-value <br> understandings. |  |  |  |  |  |
|  | I can solve for products of decimals to the <br> hundredths, including situations involving <br> money, using strategies based on properties <br> of operations |  |  |  |  |  |


| 1 | 2 | 3 | 4 |
| :---: | :---: | :---: | :---: |
| I have no idea how to <br> do this. | I can do this with <br> some help. | I can do this by <br> myself | I can teach someone <br> to do this. |

$\qquad$

| LT | Statement |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 6 | I can solve for products of decimals to the <br> hundredths, including situations involving <br> money, using strategies based on the <br> relationship to the multiplication of whole <br> numbers. |  |  |  |  |  |
| 7 | I can represent quotients of decimals to the <br> Hundredths, up to four-digit dividends and <br> two digit whole number divisors, using <br> objects and pictorial models, including area <br> models. |  |  |  |  |  |
| $\mathbf{8}$ | I can solve for quotients of decimals to the <br> hundredths, up to four-digit dividends and <br> two-digit whole number divisors, using <br> strategies and algorithms, including the <br> standard algorithm. |  |  |  |  |  |
| 9 | I can simplify numerical expressions that do <br> not involve exponents, including up to two <br> levels of grouping. |  |  |  |  |  |


| 1 | 2 | 3 | 4 |
| :---: | :---: | :---: | :---: |
| I have no idea how to <br> do this. | I can do this with <br> some help. | I can do this by <br> myself | I can teach someone <br> 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? |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 4 \\ 5.3 E \end{gathered}$ | Solve for products of decimals to the hundredths, including situations involving money, using strategies based on place-value understandings | Base-10 place value system | Recognize multiplication of decimal numbers presented in a real-world problem situationUnderstand how to multiply two decimal numbersSolve a problem involving multiplication of decimal numbers | Multiply and divide positive rational numbers fluently. |
| $\begin{gathered} 5 \\ 5.3 E \end{gathered}$ | 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 |  | $\square$ Multiply and divide positive rational numbers fluently. |
| $\begin{gathered} 6 \\ 5.3 E \end{gathered}$ | Solve for products of decimals to the hundredths, including situations involving money, using strategies based on the relationship to the multiplication of whole numbers. | egies for multiplication <br> Distributive property for partial products <br> Doubling and halving <br> Relate multiplication (associative property) to numerical notation <br> Ratio tables <br> 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 | $\square$ 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? |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 7 \\ 5.3 F \end{gathered}$ | Represent quotients of decimals to the hundredths, up to fourdigit 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 <br> $\square$ Connections between division of whole numbers and division with decimals <br> $\square$ Base-IO place value system <br> P Place value relationships to determine quotients <br> D Recognition of division in mathematical and realworld problem situations <br> $\square$ Expression(s) to represent problem situation <br> $\square$ Equation(s) to reflect solution process <br> Objects and pictorial models <br> $\square$ Base-l0 blocks <br> $\square$ Area models <br> Decimal grids <br> I Number lines <br> $\square$ Ratio tables | Recognize division of a decimal value by a whole number presented in a real-world problem situation <br> - Understand the relationship between known values and the operation in a realworld problem situation Represent division of a decimal divided by a whole number using an expression <br> I Understand how to interpret a base-10 model demonstrating a decimal value divided by a whole number <br> Represent division of a decimal divided by a whole number using a base-IO model <br> - Understand how to interpret a hundredths model demonstrating a decimal value divided by a whole number <br> U Understand the relationship between decimal multiplication and decimal division represented in a hundredths model Understand that there are 100 squares in a hundredths model and that one square represents onehundredth and ten squares represent a tenth | $\square$ Multiply and divide positive rational numbers fluently. |


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| :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 8 \\ 5.3 G \end{gathered}$ | Solve for quotients of decimals to the hundredths, up to fourdigit dividends and twodigit whole number divisors, using strategies and algorithms, including the standard algorithm. | Base-10 place value system D Place value relationships to determine quotients <br> Recognition of division in mathematical and realworld problem situations Division structures - Partitive division Total amount known Number of groups known Size or measure of each group unknown <br> [ Quotative division (also known as Measurement division) <br> Total amount known <br> Size or measure of each group known <br> Number of groups unknown <br> Decomposing division problems into partial quotients <br> - 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. <br> [ Standard algorithm <br> Remainder dependent upon the mathematical and realworld problem situation Various ways to record remainder <br> Ignore the remainder Add one to the quotient Remainder is written as a decimal <br> Remainder is the answer Conversion of remainder into smaller units | Recognize division of a decimal valus by a whole number presented in a real-world problem situation <br> Understand how to divide a decimal to the hundredths by a onedigit 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? |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 9 \\ 5.4 \mathrm{~F} \end{gathered}$ | 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 <br> $\square$ Understand that parentheses without an operation symbol indicate multiplication; a(b) means a multiplied by b <br> 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 <br> $\square$ 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 <br> $\square$ Simplify an expression using order of operations | Simplify <br> numerical <br> expressions <br> that may <br> include a division <br> bar instead of the division symbol. <br> Generate <br> equivalent <br> numerical <br> expressions <br> 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 <br> Estimation <br> Compatible <br> Numbers | Mini Lesson <br> LT 3 <br> Model Decimal <br> Multiplication | Mini Lesson <br> LT 3 <br> Model Decimal <br> Multiplication | Independent <br> Practice <br> LT 3 <br> Model Decimal <br> Multiplication | Mini Lesson <br> LT 4, 5, 6 <br> Solve Decimal <br> Multiplication |
| Guided Math | Guided Math | Guided Math | Guided Math | Guided Math |
| Reteach Unit 4 | LT I | LT 3 | LT 3 | LT 4, 5, 6 |
| Day 6 | Day 7 | Day 8 | Day 9 | Day 10 |
| Independent <br> Practice <br> LT 4, 5, 6, 9 | Mini Lesson LT $q$ <br> Order of Operations Decimal x | Mini Lesson LT 7 <br> Model Decimal Division | Mini Lesson LT 7 <br> Model Decimal <br> Division | Mini Lesson LT 7 <br> 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 12 | Day 13 | Day 14 |  |
| Mini Lesson LT 8 <br> Solve Decimal <br> Division | Independent <br> Practice <br> LT 4, 5, 6, 7, 9 | Game <br> LT $q$ <br> Order of <br> Operations | Independent <br> Practice <br> LT 4, 5, 6, 7, 9 | Decimal <br> Multiplication <br> And Division |
| Guided Math | Guided Math | Guided Math | Guided Math |  |
| LT 9 | LT 9 | LT $4,5,6,7,9$ <br> ©iPohly INC | LT 4, 5, 6, 7, 9 | 14 |

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Thank you for your downloqd!

I hope this helps your students!


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