## iporily ITC.

## 3rd Grade

## REASONING-



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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!

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## $5^{\text {th }}$ 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.

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SACRIFICING your time with your family and friends
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5

Algebraic Reasoning-All Operations

| Name | 1 | 2 | 3 | $4^{4}$ | 5 | 6 | 7 | 8 | 9 | 10 |
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| LT | Statement |  |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
|  | I can solve with fluency one-step and two- <br> step problems involving addition and <br> subtraction within I,000 |  |  |  |  |  |
| 2 | I can use strategies and algorithms, <br> including the standard algorithm, to multiply <br> a two-digit number by a one-digit number |  |  |  |  |  |
| 3 | I can solve one-step and two-step problems <br> involving multiplication and division within IOO |  |  |  |  |  |
| 4 | I can represent one- and two-step <br> problems involving addition and subtraction <br> of whole numbers to I,000 |  |  |  |  |  |


| I | 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. |


| LT | Statement |  |  | 2 | 3 | 4 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 6 | I can determine the unknown whole number <br> in a multiplication or division equation |  |  |  |  |  |
| 7 | I can represent real-world relationships <br> using number pairs in a table and verbal <br> descriptions. |  |  |  |  |  |
| 8 | I can decompose composite figures to <br> determine the area of the original figure <br> using the additive property of area. |  |  |  |  |  |
| 9 | I can summarize a data set with multiple <br> categories using a frequency table, dot plot, <br> pictograph, or bar graph with scaled <br> intervals. |  |  |  |  |  |
|  |  |  |  |  |  |  |


| 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? |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 1 \\ 3.4 \mathrm{~A} \end{gathered}$ | Solve with fluency onestep and two-step problems involving addition and subtraction within 1,000 using strategies based on place value, properties of operations, and the relationship between addition and subtraction. | Solve with fluency onestep and two-step problems involving addition and subtraction within 1,000 | - Recognize addition presented in a real-world problem situation <br> - Recognize subtraction presented in a real-world problem situation <br> - Understand how to add three-digit numbers involving regrouping <br> - Understand how to subtract threedigit numbers involving regrouping <br> - Solve a two-step problem involving addition and subtraction | Add and subtract whole numbers using the standard algorithm. |
| $\begin{gathered} 2 \\ 3.4 G \end{gathered}$ | Use strategies and algorithms, including the standard algorithm, to multiply a two-digit number by a one-digit number. Strategies may include mental math, partial products, and the commutative, associative, and distributive properties. | Use strategies and algorithms, including the standard algorithm, to multiply a two-digit number by a one-digit number. | - Recognize multiplication presented in a real-world problem situation <br> - Understand how to multiply a two-digit number by a one-digit number involving regrouping <br> - Solve a one-step problem involving multiplication | Represent the product of 2 twodigit numbers using arrays, area models, or equations, including perfect squares through 15 by 15 |


| Learning Targe $\dagger$ | 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? |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 3 \\ 3.4 K \end{gathered}$ | Solve one-step and twostep problems involving multiplication and division within 100 using strategies based on objects; pictorial models, including arrays, area models, and equal groups; properties of operations; or recall of facts. | Solve one-step and twostep problems involving multiplication and division within 100 | - Recognize <br> addition, <br> subtraction, <br> multiplication <br> and division <br> presented in a <br> real-world <br> problem <br> situation <br> - Understand <br> how to <br> multiply a <br> two-digit <br> number by a <br> one-digit <br> number <br> involving <br> regrouping <br> - Understand <br> how to add 2 <br> two-digit <br> numbers <br> involving <br> regrouping <br> - Understand how to divide a two-digit number by a one-digit <br> - Solve a twostep problem | Introduce the standard algorithm for division. Represent the quotient of up to a four-digit whole number divided by a one-digit whole number using arrays, area models, or equations. |


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| :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 4 \\ 3.5 \mathrm{~A} \end{gathered}$ | Represent one- and two-step problems involving addition and subtraction of whole numbers to 1,000 using pictorial models, number lines, and equations. | Represent one- and two-step problems involving addition and subtraction of whole numbers to 1,000 | - Recognize addition and subtraction presented in a real-world problem situation <br> - Understand the relationship between the description of a problem situation and the symbols represented in an equation/number sentence <br> - Represent a twostep problem involving addition and subtraction using an equation/number sentence <br> - Understand how to interpret a diagram to identify the minuend, the subtrahend, and the difference in a subtraction situation <br> - Represent a problem involving addition or subtraction on a number line | Represent multi-step problems involving the four operations with whole numbers using strip diagrams and equations with a letter standing for the unknown quantity |


| 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? |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 5 \\ 3.5 B \end{gathered}$ | Represent and solve one- and two-step multiplication and division problems within 100 using arrays, strip diagrams, and equations. | Represent and solve one- and two-step multiplication and division problems within 100 | - Recognize multiplication and division presented in a real-world problem situation <br> - Understand how to interpret a strip diagram to identify the dividend, the divisor, and the quotient in a division situation <br> - Represent a problem involving division using a strip diagram <br> - Understand the relationship between the description of a problem situation and the symbols represented in an equation/number sentence <br> - Represent a twostep problem involving multiplication and division using an equation <br> - Understand how an array can be used to represent a multiplication situation <br> - Represent a problem involving multiplication or division using an array | Represent multi-step problems involving the four operations with whole numbers using strip diagrams and equations with a letter standing for the unknown quantity |


| Learning Targe $\dagger$ | 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? |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 6 \\ 3.5 D \end{gathered}$ | Determine the unknown whole number in a multiplication or division equation relating three whole numbers when the unknown is either a missing factor or product. | Determine the unknown whole number in a multiplication or division equation | - Understand the relationship <br> between a <br> multiplication <br> fact and its <br> related division <br> fact <br> - Determine the unknown in a multiplication equation relating three whole numbers when the unknown is a missing factor <br> - Understand how to determine the unknown in a division equation relating three whole numbers when the unknown is a missing dividend <br> - Understand how to determine the dividend in division by using the relationship to multiplication <br> - Determine the unknown dividend in an equation | Represent multi-step problems involving the four operations with whole numbers using strip diagrams and equations with a letter standing for the unknown quantity |


| 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? |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 7 \\ 3.5 E \end{gathered}$ | Represent real-world relationships using number pairs in a table and verbal descriptions. | Represent real-world relationships using number pairs in a table Represent real-world relationships using verbal descriptions. | - Recognize <br> additive or multiplicative relationship. <br> - Determine whether the relationship between the number pairs is additive or multiplicative. <br> - Represent a multiplicative relationship between number pairs in a table. <br> - Explain an additive or multiplicative relationship between pairs of numbers using a verbal description. | Represent problems using an input out put table and numerical expressions to generate a number pattern that follows a given rule. |


| 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? |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 8 \\ 3.6 \mathrm{D} \end{gathered}$ | Decompose composite figures formed by rectangles into nonoverlapping rectangles to determine the area of the original figure using the additive property of area. | Decompose composite figures to determine the area of the original figure using the additive property of area. | - Recognize the dimensions of a figure presented in a diagram <br> - Understand the meaning of the key defining each square as I square foot <br> - Understand how to decompose a composite figure into nonoverlapping rectangles <br> - Understand how to determine area of a rectangle by multiplying the number of rows times the number of square units in each row <br> - Understand how to determine the area of a composite figure by adding the areas of each decomposed part <br> - Determine the area of a composite figure presented in a pictorial mode |  |


| 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? |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 9 \\ 3.8 \mathrm{~A} \end{gathered}$ | Summarize a data set with multiple categories using a frequency table, dot plot, pictograph, or bar graph with scaled intervals. | Read a given graph and summarize the data into another graph. <br> Read and Match | Dot Plot <br> - Understand that the number of dots above each category in a dot plot represents the value or frequency of the data for the category <br> - Understand that numbers may be the category names for categorical data <br> Bar Graph <br> - Understand that the end of a bar in a bar graph represents the value or frequency of the data for the category <br> - Understand how to read the scale of the intervals on a bar graph <br> - Understand how the read the value of a bar in a bar graph when the end of the bar falls between marked intervals <br> Pictograph <br> - Understand the meaning of the key defining the quantity of each symbol in a pictograph <br> - Understand how to use the key to interpret the value represented by a partial symbol <br> - Understand how to read data values in a pictograph based on the provided key <br> Frequency Table <br> - Understand how to read the tally marks or values of the data represented in a frequency table | Represent data on a frequency table, dot plot, or stem-andleaf plot marked with whole numbers |


| 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? |
| :---: | :---: | :---: | :---: | :---: |
| $\begin{gathered} 10 \\ 3.8 B \end{gathered}$ | Solve one- and two-step problems using categorical data represented with a frequency table, dot plot, pictograph, or bar graph with scaled intervals. | Solve one- and two-step problems using categorical data using information from a table or graph. | - Recognize <br> addition or <br> subtraction <br> presented in a <br> real-world <br> problem situation <br> - Understand the meaning of the key or scale <br> - Understand how to read data values in a frequency table, dot plot, pictograph, or bar graph with scaled intervals based on the provided key <br> - Solve a problem involving addition or subtraction regarding data presented in a frequency table, dot plot, pictograph, or bar graph with scaled intervals. | Solve one- and twostep problems using data in whole number, decimal, and fraction form in a frequency table, dot plot, or stem-andleaf plot |


| Day I | Day 2 | Day 3 | Day 4 | Day 5 |
| :--- | :--- | :--- | :--- | :--- |
| Mini Lesson <br> Additive Tables <br> LT 7 | Mini Lesson <br> Multiplicative <br> Tables <br> LT 7 | 2 Truths and a <br> Lie <br> LT 7 | Independent <br> Practice <br> LT 7 | Math Huddle <br> Area <br> LT 8 |
| Guided Math | Guided Math | Guided Math | Guided Math | Guided Math |
| Reteach Unit 8 | LT 7 | LT 7 | LT 7 | LT 8 |
| Day 6 | Day 7 | Ray 8 <br> Graphs <br> LT 9 | Mini Lesson <br> Problem Solving <br> Area <br> LT 8 | Graphs <br> Practice <br> Graphs |
| LT IO |  |  |  |  |

## EPRAlly Fqu.

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I hope this helps your students!


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