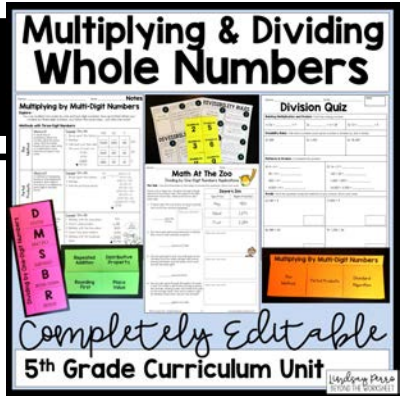


# ABOUT THIS RESOURCE



## Details :

This 25 day unit covers multiplication and division of whole numbers as well as the distributive property and the order of operations. If the skills don't completely align to your state standards, that's OK because this resource is 100% editable! All content can be modified to make this unit perfect for your classroom!

### Included Resources :

- Weekly warm up recording sheets
- Weekly exit ticket sheets
- Blank lesson plans
- Unit tracking pages
- Unit vocabulary sheet
- Unit pre-assessment
- Warm ups
- Traditional notes
- Fold and Flip Notes
- Practice assignments (HW or CW)
- End of Unit Performance Task
- A complete PDF of the unit
- An editable PPT version of the unit.
- A binder cover and spine labels

### Lessons :

- Lesson 1 : Place Value to the Billions
- Lesson 2 : Place Value to the Thousandths
- Lesson 3 : Rounding Decimals
- Lesson 4 : Base Ten and Expanded Form
- Lesson 5 : Properties of Operations

## Licensing :

- By purchasing this product, you own a license for **one teacher only** for personal use in their own classroom. Licenses are **non-transferable** and therefore can not be passed from one teacher to another. If the teacher who purchased this license leaves the classroom or changes schools, the license and materials leave with that teacher. No part of this resource is to be shared with colleagues or used by an entire team, grade level, school or district without purchasing the correct number of licenses. If you are a coach, principal or district interested in **transferable licenses** that would accommodate yearly staff changes, please contact me for a transferable license quote at [lindsayperro@gmail.com](mailto:lindsayperro@gmail.com).

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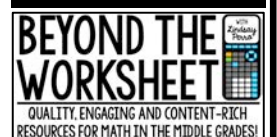


### Meet the Author :

My name is Lindsay Perro and I have been an educational writer and content developer since 2009. After spending 8 years as a Middle School Math Teacher and Interventionist, I am now following my passion and focusing on creating quality educational resources to make your job easier and keep students engaged and excited about math!



**Lindsay Perro**



# Multiply & Divide Whole Numbers

## 5<sup>th</sup> Grade Math

LESSON	RESOURCES
Unit Prep (pgs. 7 – 13)	<ul style="list-style-type: none"> <li>• Weekly Warm Up Sheet</li> <li>• Exit Tickets</li> <li>• Lesson Plan Template</li> <li>• Vocabulary</li> <li>• Pre-Assessment</li> </ul>
1) Multiplying and Dividing by Powers of Ten (pgs. 14 – 18)	<ul style="list-style-type: none"> <li>• One Warm Up</li> <li>• Powers of Ten Notes (2 pages)</li> <li>• Powers of Ten Worksheet</li> </ul>
2) Multiplying by 1-Digit Numbers (pgs. 19 – 31)	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Distributive Property Notes</li> <li>• Multiplying by 1-Digit Notes (2 pages)</li> <li>• Multiplying by 1-Digit Fold and Flip Notes</li> <li>• Distributive Property Worksheet</li> <li>• Multiplying by 1-Digit Worksheet</li> </ul>
3) Multiply by Multi-Digit Numbers (pgs. 32 – 50)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Estimating Products Notes</li> <li>• Multiplying Two-Digit Numbers Notes</li> <li>• Multiplying Multi-Digit Numbers Notes</li> <li>• Multiplying Two-Digit Fold and Flip Notes</li> <li>• Estimating Products Worksheet</li> <li>• Multiplying Two-Digit Numbers Worksheet</li> <li>• Multiplying Multi-Digit Numbers Worksheet (3 by 3 digit max)</li> <li>• Patterns in Multiplication Worksheet</li> <li>• Multiplication Quiz</li> </ul>
4) Divide by 1-Digit Numbers (pgs. 51 – 75)	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Multiplication and Division Exploration</li> <li>• Dividing By 1-Digit Notes (2 pages)</li> <li>• Dividing By 1-Digit Numbers Fold and Flip Notes</li> <li>• Divisibility Rules Printable</li> <li>• Divisibility Rules Fold and Flip Notes</li> <li>• Relating Multiplication and Division Worksheet</li> <li>• Dividing By 1-Digit Numbers Grid Practice Worksheet</li> <li>• Dividing By 1-Digit Numbers Practice Worksheet</li> </ul>

**25 DAY  
UNIT**

# Multiply & Divide Whole Numbers

## 5<sup>th</sup> Grade Math

**25 DAY  
UNIT**

LESSON	RESOURCES
5) Divide by 1-Digit Numbers with Remainders (pgs. 76 – 82)	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Dividing By 1-Digit with Remainders Notes</li> <li>• Dividing By 1-Digit with Remainders Grid</li> <li>• Dividing By 1-Digit with Remainders Worksheet</li> </ul>
6) Divide by 2-Digit Numbers (pgs. 83 – 94)	<ul style="list-style-type: none"> <li>• Four Warm Ups</li> <li>• Estimating Quotients Notes</li> <li>• Dividing By 2-Digits Notes</li> <li>• Estimating Quotients Worksheet</li> <li>• Dividing By 2-Digits Worksheet</li> <li>• Patterns in Multiplication Worksheet</li> <li>• Division Quiz</li> </ul>
7) Multiplication and Division Problem Solving (pgs. 95 – 106)	<ul style="list-style-type: none"> <li>• Three Warm Ups</li> <li>• Problem Solving Notes</li> <li>• Measurement Conversion Reference Sheet</li> <li>• Measurement Conversion Notes</li> <li>• Measurement Conversion Practice Worksheet</li> <li>• Math At The Movies (1-Digit Multiplication Applications)</li> <li>• Math At The Candy Shop (2-Digit Multiplication Applications)</li> <li>• Math At The Zoo (Dividing by 1-Digit Numbers Applications)</li> <li>• Math At The Grocery Store (Dividing by 2-Digit Numbers Applications)</li> </ul>
8) Order of Operations (pgs. 107 – 112)	<ul style="list-style-type: none"> <li>• Two Warm Ups</li> <li>• Order of Operations Notes</li> <li>• Order of Operations Worksheet</li> <li>• Order of Operations and Problem Solving Quiz</li> </ul>
End of Unit (pgs. 113 – 119)	<ul style="list-style-type: none"> <li>• End of Unit Task</li> <li>• Study Guide/Reference Sheet</li> <li>• Unit Exam</li> </ul>

Name \_\_\_\_\_ Date \_\_\_\_\_ **one**

## Relating Multiplication and Division

**Skill :** Base ten and expanded form

**Directions :** Complete the table.

Standard Form	Expanded Form	Base Ten Form
87.5		
	$4,000 + 300 + 9$	
	$7 + 0.4 + 0.008$	
		$(5 \times 1) + (9 \times 0.0)$
1,403,000,000		

Name \_\_\_\_\_

## Multiplying by I-Digit

**Skill :** The distributive property

**Directions :** Rewrite each number using the distributive property and then multiply.

<p>1) <math>3 \times 12</math></p> <p><math>3 \times (\text{ } + \text{ })</math></p> <p><math>(3 \times \text{ }) + (3 \times \text{ })</math></p> <p><math>\text{ } + \text{ }</math></p> <p><math>\text{ }</math></p>	<p>2) <math>16 \times 2</math></p> <p><math>2 \times (\text{ } + \text{ })</math></p> <p><math>(2 \times \text{ }) + (2 \times \text{ })</math></p> <p><math>\text{ } + \text{ }</math></p> <p><math>\text{ }</math></p>
<p>3) <math>54 \times 10</math></p> <p><math>10 \times (\text{ } + \text{ })</math></p> <p><math>(10 \times \text{ }) + (10 \times \text{ })</math></p> <p><math>\text{ } + \text{ }</math></p> <p><math>\text{ }</math></p>	<p>4) <math>8 \times 19</math></p> <p><math>\text{ } \times (\text{ } + \text{ })</math></p> <p><math>(\text{ } \times \text{ }) + (\text{ } \times \text{ })</math></p> <p><math>\text{ } + \text{ }</math></p> <p><math>\text{ }</math></p>

Name \_\_\_\_\_ Date \_\_\_\_\_ **three**

## Multiplying Multi-Digit Numbers

**Skill :** Multiplying by two-digit numbers

**Directions :** Solve each problem. Show your work.

<p>1) <math>62 \times 34</math></p> <p><math>\text{ } \times \text{ }</math></p> <p><math>\text{ } \times \text{ }</math></p> <p><math>\text{ } \times \text{ }</math></p> <p><math>\text{ } \times \text{ }</math></p>	<p>2) <math>34 \times 82</math></p> <p><math>\text{ } \times \text{ }</math></p> <p><math>\text{ } \times \text{ }</math></p> <p><math>\text{ } \times \text{ }</math></p> <p><math>\text{ } \times \text{ }</math></p>
<p>3) <math>352 \times 29</math></p> <p><math>\text{ } \times \text{ }</math></p> <p><math>\text{ } \times \text{ }</math></p> <p><math>\text{ } \times \text{ }</math></p> <p><math>\text{ } \times \text{ }</math></p>	<p>4) <math>195 \times 73</math></p> <p><math>\text{ } \times \text{ }</math></p> <p><math>\text{ } \times \text{ }</math></p> <p><math>\text{ } \times \text{ }</math></p> <p><math>\text{ } \times \text{ }</math></p>

Name \_\_\_\_\_ Date \_\_\_\_\_ **two**

## Dividing by I-Digit Numbers

**Skill :** Divisibility rules

**Directions :** Without dividing, tell which numbers each given number is divisible by.

<p>1) 396 is divisible by...</p> <p><math>\text{ } \times \text{ } = \text{ }</math></p>	<p>2) 1,425 is divisible by...</p> <p><math>\text{ } \times \text{ } = \text{ }</math></p>
<p>3) 3,519 is divisible by...</p> <p><math>\text{ } \times \text{ } = \text{ }</math></p>	

**BEYOND THE WORKSHEET**

QUALITY, ENGAGING AND CONTENT-RICH RESOURCES FOR MATH IN THE MIDDLE GRADES!

WITH Lindsay Perro

# Warm Ups

# Multiplying by 1-Digit Number

## Big Idea :

- Multiplication is repeated addition. It is a way of combining equal groups together.

## Key Words :

- factor
- product

## Explore :

Mary Ella is a school volunteer. This morning she is working on making copies for different teachers. She makes 28 copies for each teacher. How many copies does she make altogether?

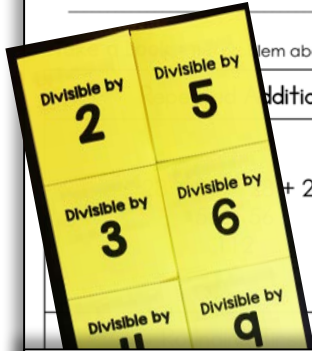
- Brainstorm with a partner how you would solve this problem. Record your answer below.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

The problem above can be solved using a variety of strategies.



Addition	Distributive Property
$28 \times 28$	$(4 \times 20) + (4 \times 8)$ $80 + 32$ $112$
	Place Value (Standard Algorithm)

# Multiplying by Multi-Digit Number

## Explore :

You can multiply now easily by one and two-digit numbers. To multiply by three-digit numbers, you follow the same steps.

## Methods with Three-Digit Numbers:

Box Method	<p><b>What is it?</b> A visual way of multiplying. Break the number apart by place value. Fill in the inside boxes as if you were using a multiplication chart. Add the numbers in the chart.</p> <p><b>Example:</b> <math>724 \times 135</math></p> <ol style="list-style-type: none"> <li>1. Break apart the factors.</li> <li>2. Multiply.</li> <li>3. Add each row, then add the sums of each row.</li> </ol>	
Partial Products	<p><b>What is it?</b> A method of multiplying based on the distributive property. Each digit of one factor is multiplied by each digit in another factor.</p> <p><b>Example:</b> <math>724 \times 135</math></p> <ol style="list-style-type: none"> <li>1. Break apart the factors.</li> <li>2. Multiply.</li> <li>3. Add the partial products.</li> </ol>	

**COMPLETELY EDITABLE**

# Dividing by 1-Digit Numbers

## Big Idea :

- Division is breaking apart a number into equal groups

## Key Words :

- dividend
- quotient
- divisor

## Explore :

Isabella and her sister Maria made 36 cookies for a bake sale. They plan to sell them in two bags. How many bags of brownies will they have for the bake sale?

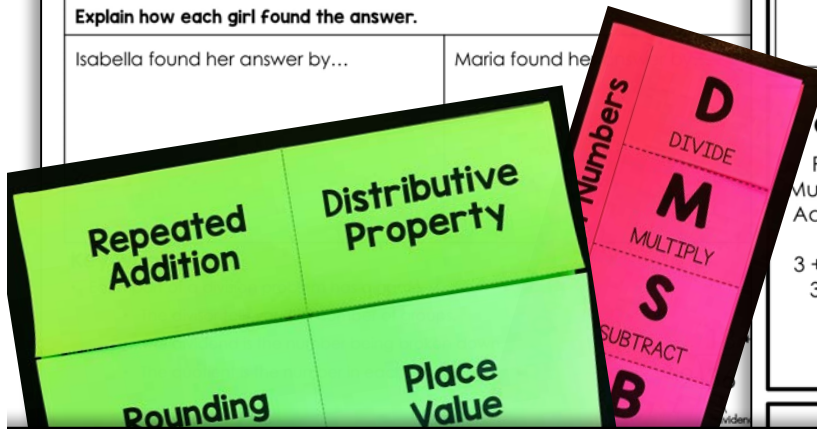
Isabella and Maria used different methods to determine how many bags they would need.

Isabella	Maria
18 bags	18

Explain how each girl found the answer.

Isabella found her answer by...

Maria found her answer by...



# Multiplying and Dividing Whole Numbers REFERENCE SHEET

Multiplying by 1-Digit Numbers		Distributive Property
Repeated Addition	Distributive Property	Break apart the larger factor into two addends. The first factor is then 'distributed' to each addend through multiplication. The sum of the products will be equal to the product of the original two factors.
$15 \times 4$ $15 + 15 + 15 + 15$ $30 + 30$ $60 \star$	$15 \times 4$ $(4 \times 10) + (4 \times 5)$ $40 + 20$ $60 \star$	$8 \times 17$ $(8 \times 10) + (8 \times 7)$ $80 + 56$ $136$
Rounding First	Standard Algorithm	
$20 \times 4 = 80$ $5 \times 4 = 20$ $80 - 20 = 60 \star$	$15$ $\times 4$ $60 \star$	

Order of Operations	Multiplying by Multi-Digit Numbers
<p>Parentheses</p> <p>Multiply or Divide</p> <p>Add or Subtract</p> <p><math>3 + 15 \times 2 - 4 \div 2</math>  <math>3 + 30 - 4 \div 2</math>  <math>3 + 30 - 2</math>  <math>33 - 2</math>  <math>31</math></p>	<p>WITH Lindsay Penna</p> <p><b>BEYOND THE WORKSHEET</b></p> <p>QUALITY, ENGAGING AND CONTENT-RICH RESOURCES FOR MATH IN THE MIDDLE GRADES!</p>

**Notes**



Name \_\_\_\_\_ Date \_\_\_\_\_ Practice

# Multiplying by 1-Digit Numbers

**Directions :** Solve each problem using the method of your choice. Show your work. Underline the final answer.

1)  $50 \times 8$

2)  $30 \times 9$

3)  $72 \times 6$

4)  $51 \times 3$

5)  $29 \times 8$

6)  $36 \times 7$

Name \_\_\_\_\_

# Identifying Patterns

**Directions :** Find the products.

1)  $1 \times 5 =$  \_\_\_\_\_

$10 \times 5 =$  \_\_\_\_\_

$10 \times 50 =$  \_\_\_\_\_

$10 \times 500 =$  \_\_\_\_\_

2)  $40 \times 3 =$  \_\_\_\_\_

$400 \times 3 =$  \_\_\_\_\_

$4,000 \times 3 =$  \_\_\_\_\_

$40,000 \times 3 =$  \_\_\_\_\_

3)  $10 \times 20 =$  \_\_\_\_\_

$100 \times 20 =$  \_\_\_\_\_

$1,000 \times 20 =$  \_\_\_\_\_

$10,000 \times 20 =$  \_\_\_\_\_

4)  $20 \times 6 =$  \_\_\_\_\_

$20 \times 60 =$  \_\_\_\_\_

$20 \times 600 =$  \_\_\_\_\_

$20 \times 6,000 =$  \_\_\_\_\_

5)  $40 \times 4 =$  \_\_\_\_\_

$40 \times 40 =$  \_\_\_\_\_

$40 \times 400 =$  \_\_\_\_\_

$4,000 =$  \_\_\_\_\_

6)  $12 \times 3 =$  \_\_\_\_\_

$12 \times 30 =$  \_\_\_\_\_

$12 \times 300 =$  \_\_\_\_\_

$12 \times 3,000 =$  \_\_\_\_\_

Explain how the number of zeros in the factors affect the product. Use words and/or numbers in your explanation.

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Name \_\_\_\_\_ Date \_\_\_\_\_

# Math At The Candy Shop

Multi-Digit Multiplication Applications

**The Task :** Use the information in the table to answer the questions. Show your work.

1. Deb owns Sweet's Candy Shop. She is placing an order for more candy. If she orders 45 boxes of the plain candy, how many pieces will she get?

Show your work here:

\_\_\_\_\_ pieces of candy

Sweet's Candy Shop		
Type of Candy		Number per box
Plain		64
Polka Dot		83
Stripe		71

2. Deb then needs to order some of the polka dot and stripe candy. She orders 9 boxes of candy and 15 boxes of the polka dot candy. How many pieces of candy did she order altogether?

Show your work here:

\_\_\_\_\_ pieces

3. A month later Deb receives 12 more boxes of both plain candy and the polka dot candy. One week later Deb has sold 205 pieces from her most recent shipment. How many pieces of candy does Deb have left from that order after those 205 were sold?

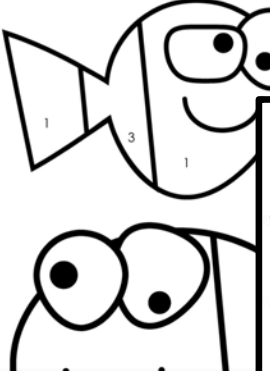
Show your work here:

\_\_\_\_\_ pieces

# THE AQUARIUM ~ End of Unit Task

**Directions:** Solve each problem. Find your answer in one of the three answer choice columns. Use the color associated with your answer and the problem number to color in the picture at the bottom of the page.


Problem	Choice #1	Choice #2	Choice #3
1) $23 \times 120$	276 RED	2,760 BLUE	27,600 GREEN
2) $1,066 \div 82$	13 GREEN	130 ORANGE	1,300 PURPLE
3) $276 \div 12$	2.3 RED	230 BLUE	23 YELLOW
4) $15 \times 342$	51,300 YELLOW	513 GREEN	5,130 ORANGE



## BEYOND THE WORKSHEET

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# Worksheets

Name \_\_\_\_\_ Date \_\_\_\_\_ Score : \_\_\_\_\_

## Multiply and Divide Whole Number

### Unit Pre Assessment

1) Write four related facts using 8, 3 and 24. _____ _____ _____	2) Write four related facts using 5, 9 and 45. _____ _____ _____	3) Complete the pattern: $72 \div 9 =$ _____ $720 \div 90 =$ _____ $7,200 \div 900 =$ _____ $72,000 \div 9,000 =$ _____
4) Evaluate : $34 \times 10^4$	5) Evaluate : $4,500 \div 10^2$	6) Re-write and solve using distributive property. $8 \times 15$

Name \_\_\_\_\_ Date \_\_\_\_\_ Score : \_\_\_\_\_

## Multiplication

**Factors and Products** : Find the missing factor.

1) $8 \times$ _____ $= 56$	2) _____ $\times 6 =$ _____
----------------------------	-----------------------------

**The Distributive Property** : Simplify using the distributive property.

4) $4 \times 17$ _____	5) $13 \times 9$ _____
---------------------------	---------------------------

**Patterns in Multiplication** : Complete the pattern.

4) $4 \times 9 =$ _____ $40 \times 9 =$ _____ $400 \times 9 =$ _____ $4000 \times 9 =$ _____	5) $12 \times 5 =$ _____ $12 \times 50 =$ _____ $12 \times 500 =$ _____ $12 \times 5,000 =$ _____
---	--

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Name \_\_\_\_\_ Date \_\_\_\_\_ Score : \_\_\_\_\_

## Division Quiz

**Relating Multiplication and Division** : Find the missing number.

1) $56 \div$ _____ $= 7$	2) _____ $\div 6 = 20$	3) $12 =$ _____ $\div 3$
--------------------------	------------------------	--------------------------

**Divisibility Rules** : Tell which numbers each given number is divisible by. Don't divide.

4) 328	5) 1,452	6) 18,450
--------	----------	-----------

**Patterns in Division** : Complete the pattern.

Name \_\_\_\_\_ Date \_\_\_\_\_ Score : \_\_\_\_\_

## Problem Solving & Order of Operations Quiz

**Order of Operations** : Simplify each expression using the order of operations.

1) $3 + 4 \times 6 \div 2 + 15$ _____	2) $(28 \div 4) \times 2 + 3 \times 4$ _____	3) $(30 \div 3) - 4 + (2 \times 7)$ _____
--	---	--

## THE AQUARIUM

**End of Unit Test**

**Objective :**

- Use what you know about multiplying and dividing whole numbers to solve problems related to running an aquarium.

**The Fish :**

Guppies	Clownfish	Angelfish	Seahorses
870	347	82	125
Betta	Tetra	Pufferfish	Rainbowfish
72	640	34	582

**The Task :** Aqua Aquarium has a fish rehabilitation program. They are just about to receive a large shipment of new fish. The chart above shows the 8 different types of fish they will be receiving, and how many of each type they will have. Read each problem carefully and show your work.

- The guppies will be split among 15 tanks. How many guppies will go in each tank?
- The aquarium spends \$2 a week on food for the tetra, rainbowfish and beta. How much will they spend altogether for food for one week for those fish coming in?

Name \_\_\_\_\_ Date \_\_\_\_\_ Score : \_\_\_\_\_

## Unit Assessment

### Multiplying and Dividing Whole Numbers

**For #1 - 3, fill in each blank. Write three additional related multiplication and division facts.**

1) $8 \times 3 =$ _____ _____ _____	2) _____ $\times 4 = 36$ _____ _____	3) $35 \div$ _____ $= 5$ _____ _____
---	--	--

4) Select each expression that could be used to simplify  $5 \times 18$  using the distributive property.

- a)  $(5 \times 8) + (5 \times 10)$
- b)  $(5 \times 9) + (5 \times 9)$
- c)  $(5 + 7) \times (5 + 11)$
- d)  $(5 + 10) \times (5 + 8)$
- e)  $(5 \times 12) + (5 \times 6)$
- f)  $(5 \times 18) + (5 \times 1)$

5) Select each expression that could be used to simplify  $12 \times 8$  using the distributive property.

- a)  $(12 \times 8) + (12 \times 8)$
- b)  $(8 \times 10) + (8 \times 2)$
- c)  $(8 + 7) + (8 + 5)$
- d)  $(10 \times 8) + (10 \times 2)$
- e)  $(8 \times 9) + (8 \times 3)$

**Multiply.**

6) $42 \times 10^3 =$ _____	9) $60 \times 4 =$ _____
8) $115 \times 3 =$ _____	

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# Assessments

Part  
TWO

$\bullet \frac{2}{9} + \frac{5}{9} = \frac{7}{9}$   
 $\bullet 1\frac{1}{8} + \frac{3}{8} = 1\frac{4}{8} = 1\frac{1}{2}$   
 $\bullet \frac{3}{4} + \frac{1}{6} = \frac{9}{12} + \frac{2}{12} = \frac{11}{12}$   
 $\bullet 1\frac{1}{4} + 3\frac{5}{6} = 1\frac{3}{12} + 3\frac{10}{12}$   
 $= 4\frac{13}{12}$   
 $= 5\frac{1}{12} \checkmark$

Lindsay Perro  
BEYOND THE WORKSHEET

Yerit  
TWO

# Multiply and Divide Whole Numbers

5th Grade Math  
CURRICULUM

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TV 10

## Multiply and Divide Whole Numbers

5th Grade Math  
CURRICULUM

West

## Two Multiply and Divide Whole Numbers

# 5th Grade Math CURRICULUM

West,

# Two

## Multiply and Divide Whole Numbers

# 5th Grade Math CURRICULUM

## STUDENT TRACKING

[illegible]

# STUDENT TRACKING

[illegible]

# BEYOND THE WORKSHEET

**QUALITY, ENGAGING AND CONTENT-RICH  
RESOURCES FOR MATH IN THE MIDDLE GRADES!**

# Tracking Sheets & Binder Labels



# Multiply & Divide Whole Numbers

5th Grade Math

Name \_\_\_\_\_ Week of \_\_\_\_\_ to \_\_\_\_\_

## Weekly Warm Up Sheet

VOCABULARY	OBJECTIVES
<ul style="list-style-type: none"> <li>compatible numbers</li> <li>distribute</li> <li>distributive property</li> <li>dividend</li> <li>divisor</li> <li>estimate</li> <li>factor</li> <li>order of operations</li> <li>product</li> <li>quotient</li> <li>remainder</li> </ul>	<ul style="list-style-type: none"> <li>Fluently multiply multi-digit numbers</li> <li>Understand and use the distributive property</li> <li>Fluently divide whole numbers (of four digits by two digits).</li> <li>Identify and explain patterns of zeroes when multiplying by powers of ten.</li> <li>Estimate products and quotients</li> <li>Simplify expressions using the order of operations</li> <li>Convert among standard measurement units.</li> <li>Solve multi-step, real world problems.</li> <li>Use parentheses, brackets, or braces in numerical expressions, and evaluate expressions with these symbols.</li> <li>5.OA.1</li> </ul>

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

Date: \_\_\_\_\_

**COMPLETELY EDITABLE**

## Multiply and Divide Whole Numbers Lesson Plan

Standard(s): \_\_\_\_\_ Date(s): \_\_\_\_\_

### Student Materials:

- ☐ Calculator    ☐ Scissors    ☐ Compass    ☐ \_\_\_\_\_  
☐ Colored pencils    ☐ Glue    ☐ Graph paper    ☐ \_\_\_\_\_  
☐ Ruler    ☐ Protractor    ☐ Dry erase    ☐ \_\_\_\_\_

### Lesson Progression:

## Multiply and Divide Whole Numbers

### Lesson 3 : Multiplying Multi-Digit Numbers

Suggested Time Frame : 4 Days

#### Resources Included:

- Four Warm Ups
- Estimating Products Notes
- Multiplying Two-Digit Numbers Notes
  - Includes two versions. One complete and one with the examples blank for students to complete.
- Multiplying Multi-Digit Numbers Notes
  - Repeat of the graphic organizer from the Two-Digit notes with three-digit examples.
  - Includes two versions. One complete and one with the examples blank for students to complete.
- Multiplying Two-Digit Fold and Flip Notes
- Estimating Products Worksheet
  - Can be used for classwork or homework.
- Multiplying Two-Digit Numbers Worksheet
  - Can be used for classwork or homework.
- Multiplying Multi-Digit Numbers Worksheet
  - Can be used for classwork or homework.
- Patterns in Multiplication
  - Can be used for classwork or homework.
- Multiplication Quiz

Fluently multiply multi-digit numbers

**BEYOND THE WORKSHEET**

QUALITY, ENGAGING AND CONTENT-RICH RESOURCES FOR MATH IN THE MIDDLE GRADES!



# Planning Pages