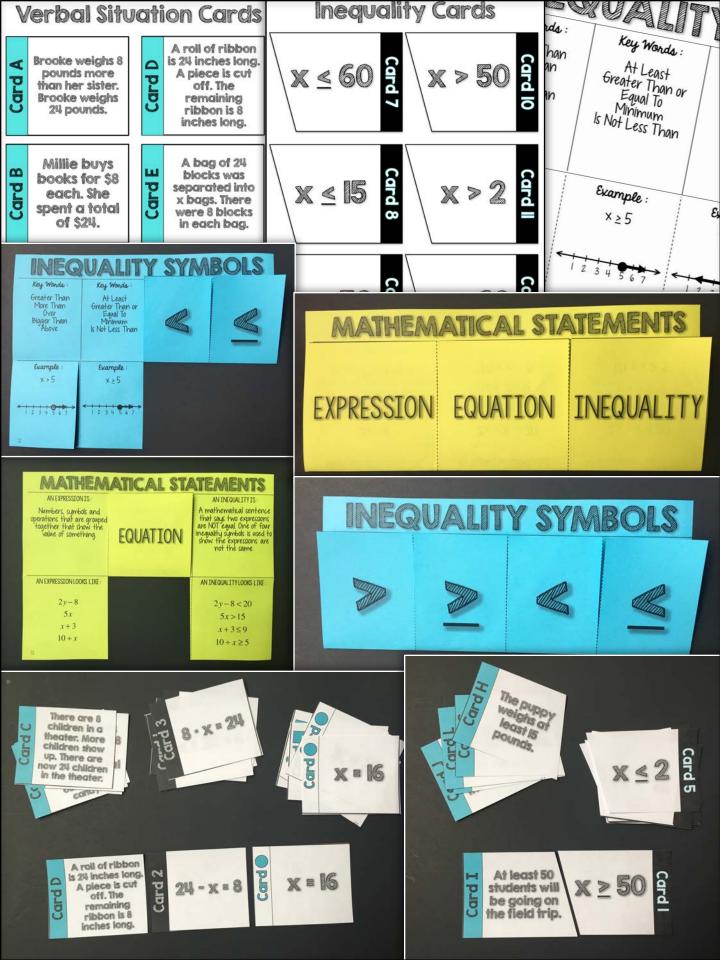


LESSON	RESOURCES
Unit Prep (pgs. 7 – 13)	<ul> <li>Weekly Warm Up Sheet</li> <li>Exit Tickets</li> <li>Lesson Plan Template</li> <li>Vocabulary Pages</li> <li>Unit Pre-Assessment</li> </ul>
(1) Identifying and Understanding Equations (pgs. 14 – 26)	<ul> <li>Two Warm Ups</li> <li>Equations Notes</li> <li>Equations Graphic Organizer</li> <li>Mathematical Statements Fold and Flip Notes</li> <li>Identifying and Understanding Equations Practice</li> <li>Independent and Dependent Variables Notes</li> <li>Independent and Dependent Variables Practice</li> </ul>
(2) Writing Equations (pgs. 27 – 32)	<ul> <li>Two Warm Ups</li> <li>Writing Equations Notes</li> <li>Writing Equations Practice (2 pages)</li> </ul>
(3) Solving Equations (pgs. 33 – 47)	<ul> <li>Three Warm Ups</li> <li>Solving Equations Notes (2 pages)</li> <li>Solutions to Equations Practice</li> <li>Solving Equations Practice</li> <li>Writing and Solving Equations Practice</li> <li>Write and Solve Equations Matching Activity</li> </ul>
(4) Writing and Graphing Inequalities (pgs. 48 – 68)	<ul> <li>Three Warm Ups</li> <li>Inequalities Notes (2 pages)</li> <li>Inequalities Graphic Organizer</li> <li>Inequalities Symbols Fold and Flip Notes</li> <li>Inequalities Matching Activity</li> <li>Inequalities Practice (4 pages)</li> </ul>
End of Unit (pgs. 69 – 72)	Study Guide     Unit Exam

<b>Equations and Inequalities Unit</b>	Name Date Equations and Inequalities Unit
>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>>	Pre-Assessment
STANDARD(S): DATE(S):	{Show all work on a separate sheet of paper.}       1. Is 4 a solution to the equation       2. Pam bought 8 notebooks and spent a
STUDENT MATERIALS:	8 ÷ m = 32? total of \$40. Write and solve an
□ CALCULATOR □ SCISSORS □ COMPASS □	equation to determine how much she paid (x) for each notebook.
□ COLORED PENCILS □ GLUE □ GRAPH PAPER □	in the second
RULER     PROTRACTOR     DRY ERASE	
LESSON PROGRESSION:	
	3. Write an equation to represent "twice 4. Identify the independent and
	a number is fifty." dependent variable : The height of a tree and the age of the tree.
	1:
	D:
Definition: C	Name Date
	Writing Equations
	valuiting Educations
	PRACTIČE
	Michael is packing up boxes of books to ship off for his company. Each box holds 30 books.
	1. Complete the table to the right.
	2. Write an equation for the number of books (b) 1 30 shipped if x boxes were packed.
	2
Renadiana	3. What is the independent variable?
Examples: Equations	4
BYSHIP104.	10
Name Date	Name Date
Writing & Solving Equations	>>>> Inequalities Notes «
>>>> PRACTICE	www.medadnines idoies 💓
Write and solve an equation for each situation.	Identify : How do you "read" each symbol?
<ol> <li>You are cans of soda. A sinale can of soda costs \$0.35. Write an equation relating the</li> </ol>	• >:
total cost (x) to the number of cans of soda (c) you purchase.	• ≥:
Define your variables:      Write the equation:	• <:
What is the total cost if you purchase 25 cans of soda?	Open or Closed?
	An open circle represents :
<ol><li>A cell phone plan will cost you \$49.99 per month. Write an equation relating the tot</li></ol>	
cost (c) to the number of months (m) you have the data plan	A closed circle represents :
Name Date	Equations and Inequalities Unit Exam
Equations and Inequalities	SHOW YOUR WORK WHENE VER POSSIBLE. USE A SEPARATE SHEET OF PAPER IF YOU NEED MORE ROOM!
>>>>> Unit Study Guide 🔣	1. Is 5 a solution to the equation 2. Carla roller skates 3 miles each day for x
	5•m = 17? days. She completed a total of 60 miles. Write and solve an equation to
KEY TERMS : GRAPHING INEQUALITIES :	determine how many days she roller skated.
Expression         Open on Closed?           Numbers, symbols and operations that         • An open circle indicates that the	
are grouped together that show the value of something.	
solution set.	
A closed circle indicates that the circled number is included in the	3. Write an equation to represent four less than n is equal to ten. 4. Write an equation to represent fourteen more than a number is twenty.
A mathematical sentence that says two expressions are equal. The equal sign (=) is solution set.	
used to show equality.	
Inequality	
A mathematical sentence that says two which numbers are included in the	
expressions are NOT equal. One of four inequality symbols is used to show the solution set for the inequality.	5 is 15 a solution to the equation $x = 7 = 92$ . ( Identify the independent and
expressions are not the same.	<ul> <li>5. Is 15 a solution to the equation x - 7 = 8?</li> <li>6. Identify the independent and dependent variable: The cost of filling use the formed by the purple of the cost of filling.</li> </ul>
	up a tank of gas and the number of gallons of gas put in the tank.





- Two Warm Ups
- Equations Notes
- Equations Graphic Organizer
- Mathematical Statements Fold and Flip Notes
- Identifying and Understanding Equations Practice Can be used for homework or classwork
- Independent and Dependent Variables Notes
- Independent and Dependent Variables Practice Can be used for homework or classwork

## Essential Skills :

 Identifying and understanding the parts of an equation and the difference(s) between expressions, equations and inequalities.



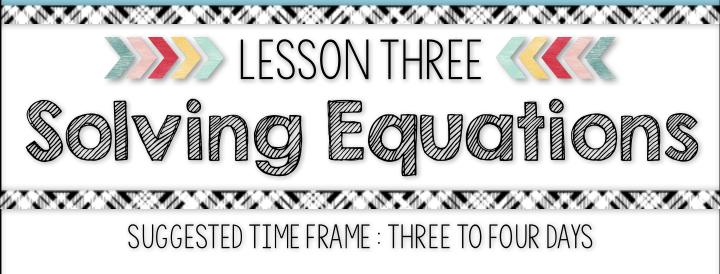
SUGGESTED TIME FRAME : TWO DAYS THIS LESSON SHOULD BE QUICK SINCE STUDENTS HAVE ALREADY LEARNED HOW TO WRITE EXPRESSIONS AND THIS GOES JUST ONE STEP BEYOND THAT.

Resources Included:

- Two Warm Ups
- Writing Equations Notes
- Writing Equations Practice (2 pages) Can be used for homework or classwork

## Essential Skills :

- Use variables to represent two quantities in a real-world situation, where one variables changes based on the other.
- Write an equation to express two variable relationships.
- Write equations to represent real world and mathematical situations.



Resources Included:

- Three Warm Ups
- Solving Equations Notes (2 pages)
- Solutions to Equations Practice Can be used for homework or classwork
- Solving Equations Practice Can be used for homework or classwork
- Writing and Solving Equations Practice Can be used for homework or classwork
- Write and Solve Equations Matching Activity

## Essential Skills :

- Determine which values from a given set make the equation true.
- Solve real-world and mathematical problems by writing and solving equations.
- Analyze the relationship between the dependent and independent variables using graphs and tables, and relate to equations.



Resources Included:

- Three Warm Ups
- Inequalities Notes (2 pages)
- Inequalities Graphic Organizer
- Inequalities Symbols Fold and Flip Notes
- Inequalities Matching Activity
- Inequalities Practice (4 pages) Can be used for homework or classwork

## Essential Skills :

- Determine which values from a given set make the equation or inequality true.
- Write statements of inequalities (x > c) to represent a constraint or condition in a real-world or mathematical problem.
- Represent solutions of inequalities (x > c) on number lines.