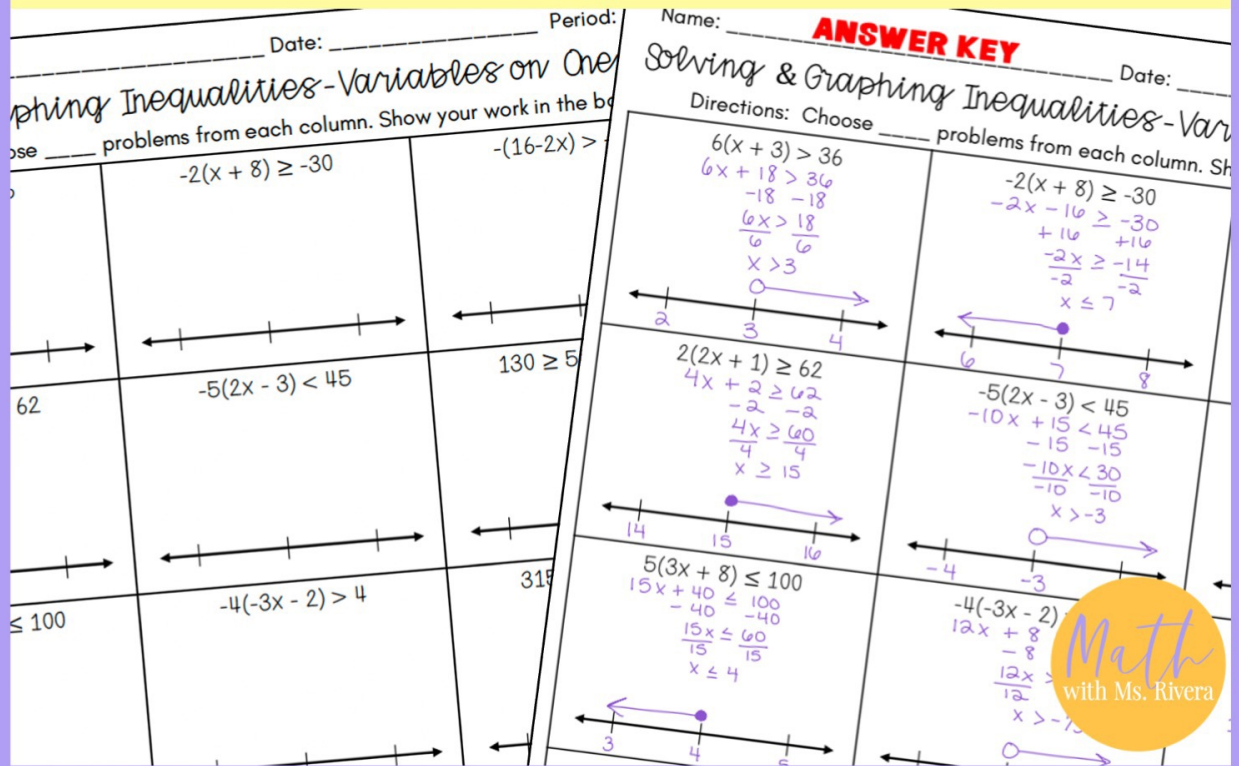
keep scrolling to get a sneak peek!

Help your PreAlgebra & Algebra 1 students practice **solving & graphing multistep inequalities with variables on one side by distributive property**. Your students will benefit from being given choice when it comes to how they want to practice math!

SOLVING INEQUALITIES DISTRIBUTIVE PROPERTY

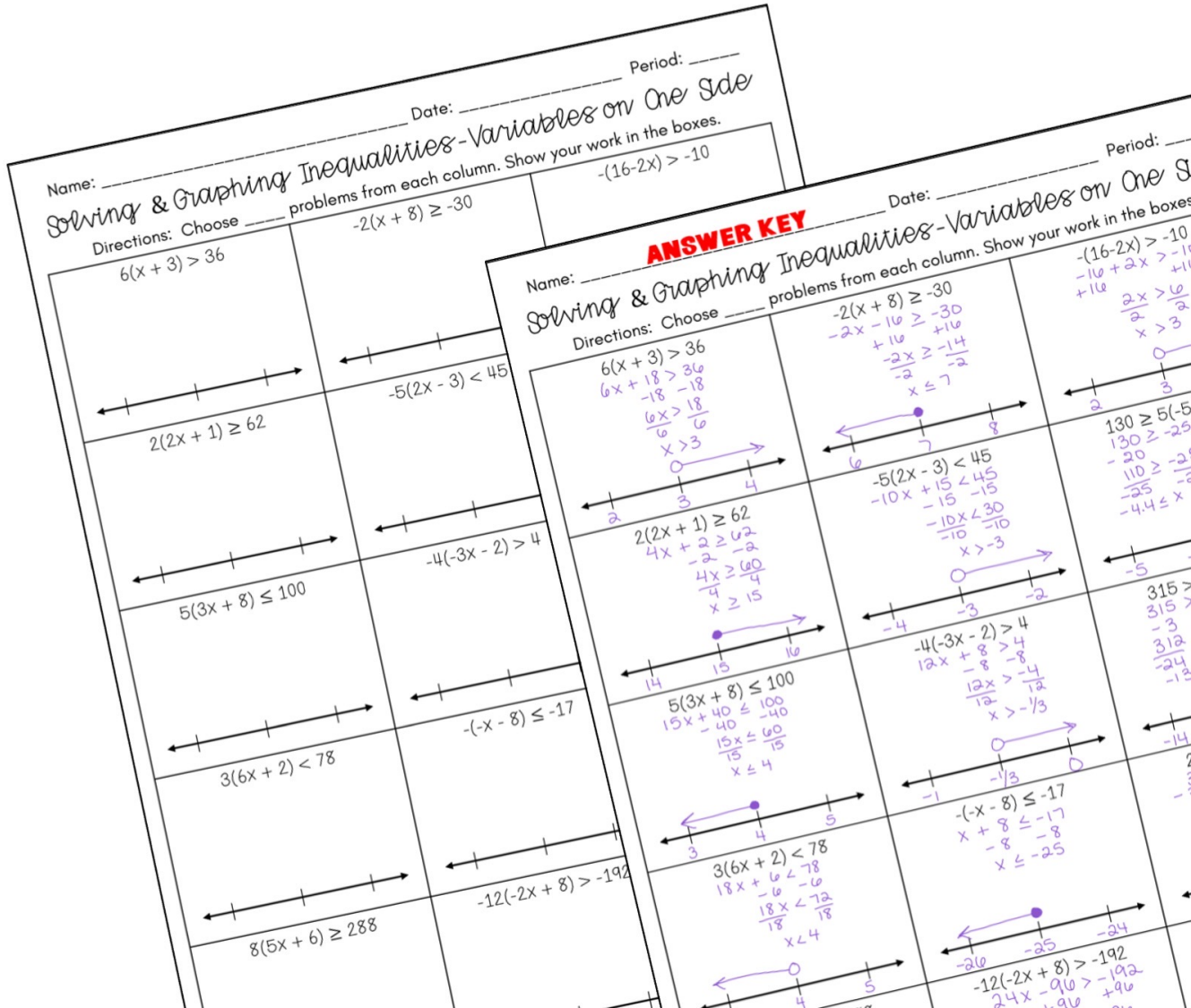
Choice Board



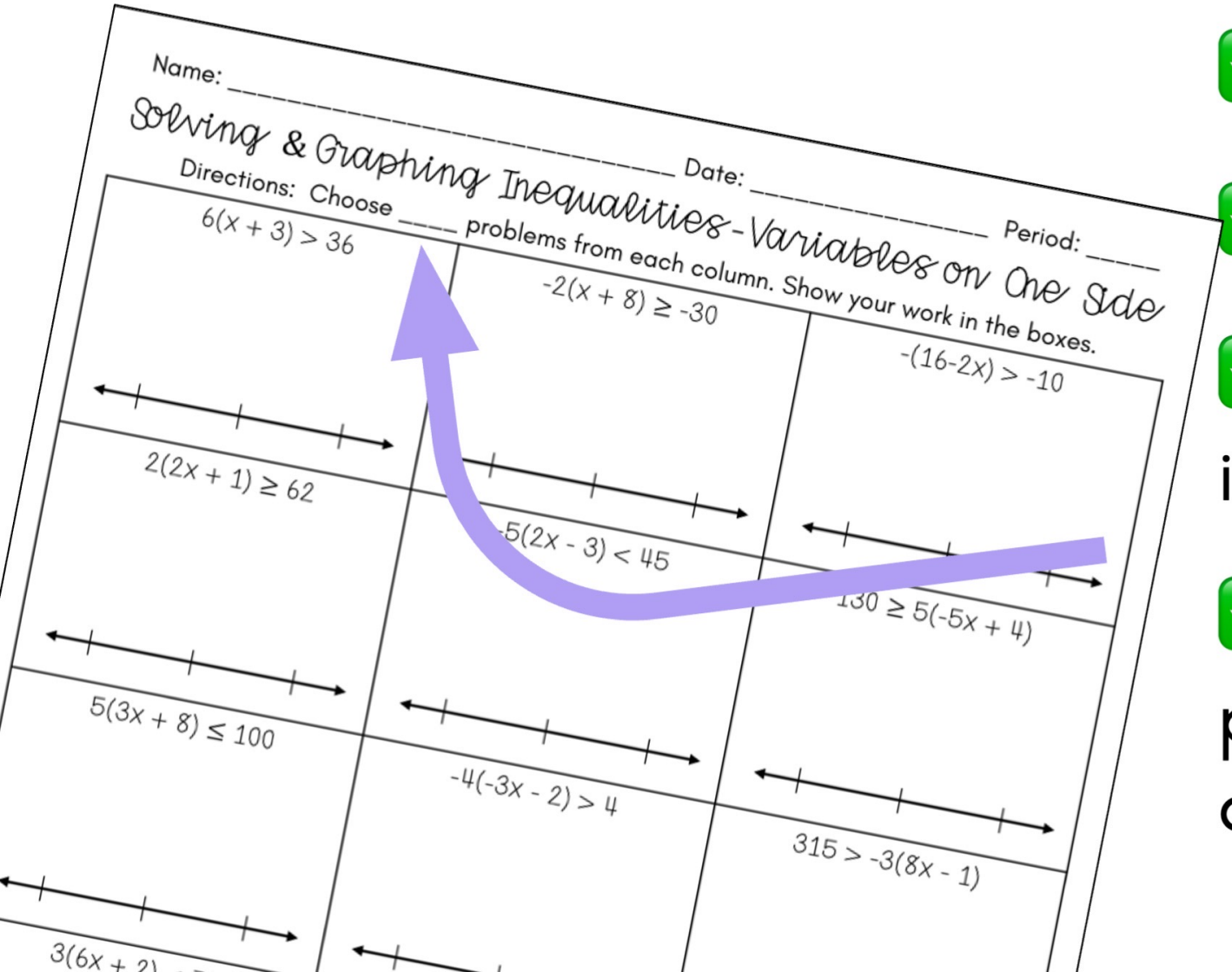
Solving Multistep Inequalities Variables on One Side Choice Board

why do you need this?

- Allowing student choice in how they practice will encourage them to do the practice!
- You can differentiate by the number of problems required of particular students.



Multistep Inequalities Variables on One Side Choice Board *includes*:



✅ printable worksheet

✅ a detailed answer key

✅ 3 columns with 5 questions in each - 15 question total

✅ Spot to assign how many problems students need to complete

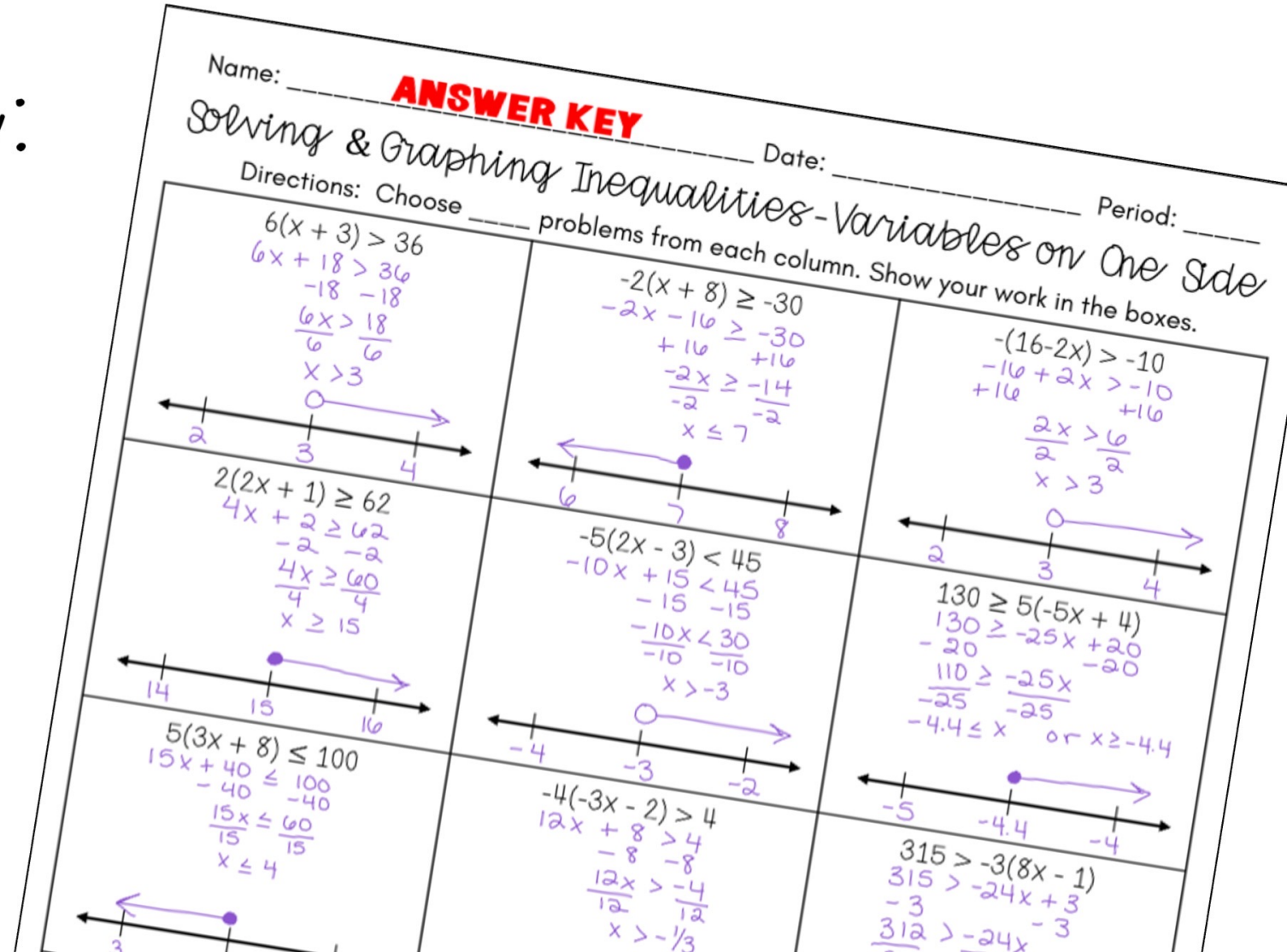
Multistep Inequalities Variables on One Side Choice Board

standards covered:

CCSS: HSA-REI.B.3

TEKs: A1.5.B

VA SOLs: EO.A.5.a


Name: ANSWER KEY Date: Period:

Solving & Graphing Inequalities - Variables on One Side

Directions: Choose ____ problems from each column. Show your work in the boxes.

$6(x+3) > 36$
$6x + 18 > 36$
$-18 \quad -18$
$\frac{6x}{6} > \frac{18}{6}$
$x > 3$

$-2(x+8) \geq -30$
$-2x - 16 \geq -30$
$+16 \quad +16$
$\frac{-2x}{-2} \geq \frac{-14}{-2}$
$x \leq 7$

$-(16-2x) > -10$
$-16 + 2x > -10$
$+16 \quad +16$
$\frac{2x}{2} > \frac{6}{2}$
$x > 3$

$2(2x+1) \geq 62$
$4x + 2 \geq 62$
$-2 \quad -2$
$\frac{4x}{4} \geq \frac{60}{4}$
$x \geq 15$

$-5(2x-3) < 45$
$-10x + 15 < 45$
$-15 \quad -15$
$\frac{-10x}{-10} < \frac{30}{-10}$
$x > -3$

$130 \geq 5(-5x+4)$
$130 \geq -25x + 20$
$-20 \quad -20$
$\frac{110}{-25} \geq \frac{-25x}{-25}$
$-4.4 \leq x$ or $x \geq -4.4$

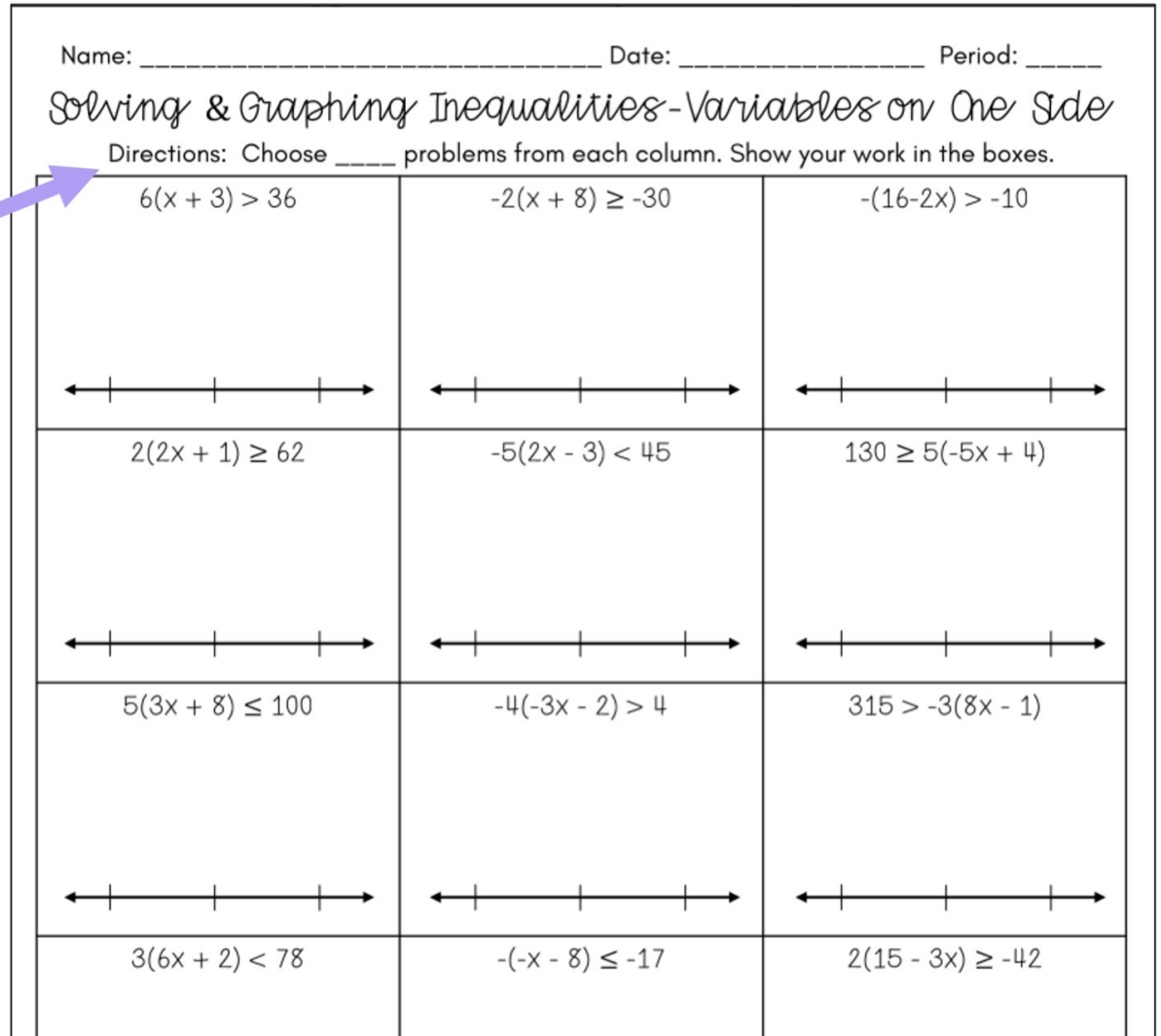
$5(3x+8) \leq 100$
$15x + 40 \leq 100$
$-40 \quad -40$
$\frac{15x}{15} \leq \frac{60}{15}$
$x \leq 4$

$-4(-3x-2) > 4$
$12x + 8 > 4$
$-8 \quad -8$
$\frac{12x}{12} > \frac{-4}{12}$
$x > -\frac{1}{3}$

$315 > -3(8x-1)$
$315 > -24x + 3$
$-3 \quad -3$
$312 > -24x$

how the choice board resource works

Assign students the number of problems they need to complete from each column.



Name: _____ Date: _____ Period: _____

Solving & Graphing Inequalities-Variables on One Side

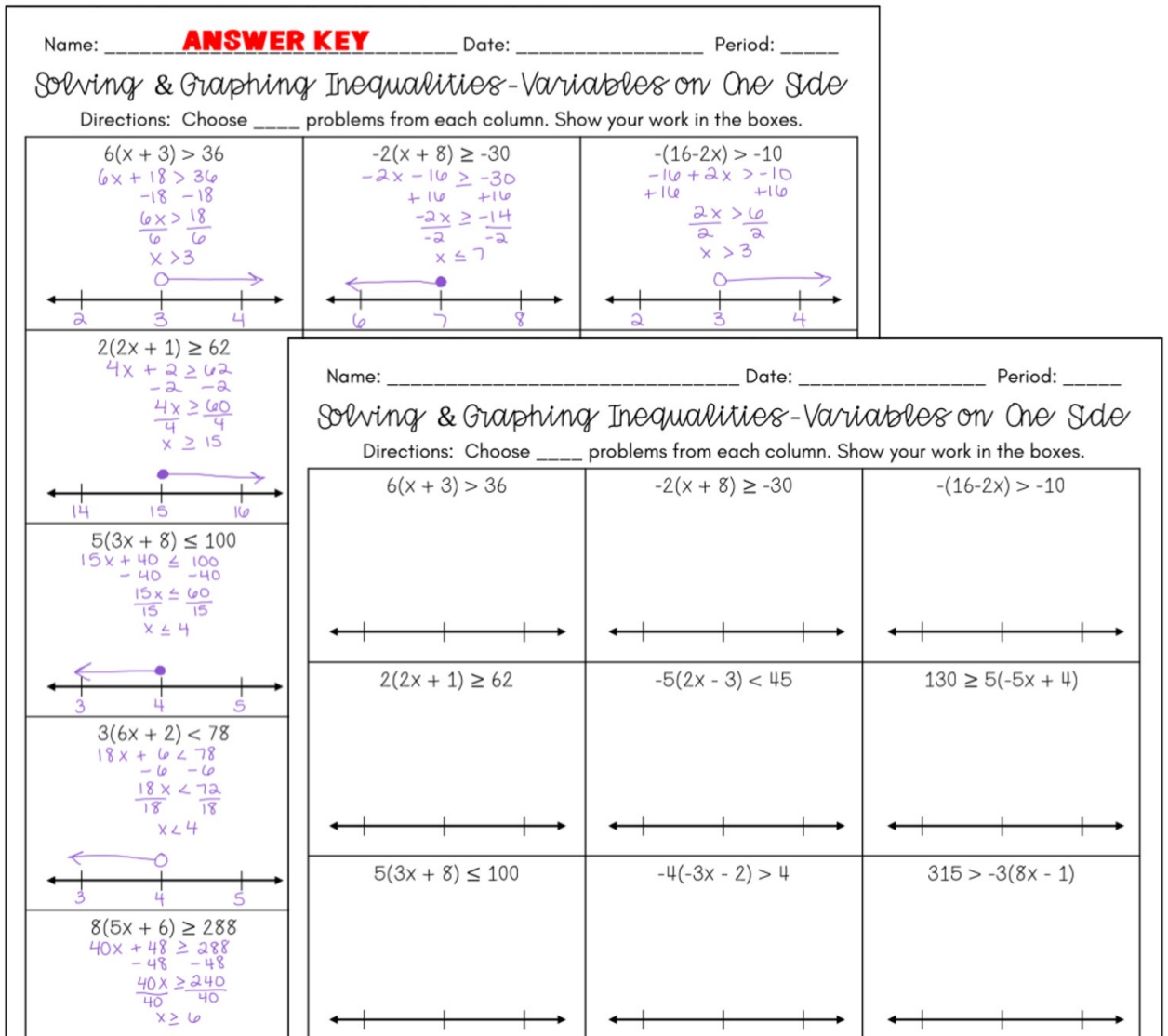
Directions: Choose ____ problems from each column. Show your work in the boxes.

$6(x + 3) > 36$	$-2(x + 8) \geq -30$	$-(16-2x) > -10$
$2(2x + 1) \geq 62$	$-5(2x - 3) < 45$	$130 \geq 5(-5x + 4)$
$5(3x + 8) \leq 100$	$-4(-3x - 2) > 4$	$315 > -3(8x - 1)$
$3(6x + 2) < 78$	$-(-x - 8) \leq -17$	$2(15 - 3x) \geq -42$

Differentiate the choice board worksheet by reducing the number of problems assigned to show mastery.

Students can complete the any problems they want to in each column and in any order.

how to use this resource


Name: ANSWER KEY Date: _____ Period: _____

Solving & Graphing Inequalities-Variables on One Side

Directions: Choose ____ problems from each column. Show your work in the boxes.

$6(x + 3) > 36$ $6x + 18 > 36$ $-18 \quad -18$ $\frac{6x}{6} > \frac{18}{6}$ $x > 3$ 2 3 4	$-2(x + 8) \geq -30$ $-2x - 16 \geq -30$ $+16 \quad +16$ $\frac{-2x}{-2} \geq \frac{-14}{-2}$ $x \leq 7$ 6 7 8	$-(16-2x) > -10$ $-16 + 2x > -10$ $+16 \quad +16$ $\frac{2x}{2} > \frac{6}{2}$ $x > 3$ 2 3 4
$2(2x + 1) \geq 62$ $4x + 2 \geq 62$ $-2 \quad -2$ $\frac{4x}{4} \geq \frac{60}{4}$ $x \geq 15$ 14 15 16		
$5(3x + 8) \leq 100$ $15x + 40 \leq 100$ $-40 \quad -40$ $\frac{15x}{15} \leq \frac{60}{15}$ $x \leq 4$ 3 4 5		
$3(6x + 2) < 78$ $18x + 6 < 78$ $-6 \quad -6$ $\frac{18x}{18} < \frac{72}{18}$ $x < 4$ 3 4 5		
$8(5x + 6) \geq 288$ $40x + 48 \geq 288$ $-48 \quad -48$ $\frac{40x}{40} \geq \frac{240}{40}$ $x \geq 6$		

Name: _____ Date: _____ Period: _____

Solving & Graphing Inequalities-Variables on One Side

Directions: Choose ____ problems from each column. Show your work in the boxes.

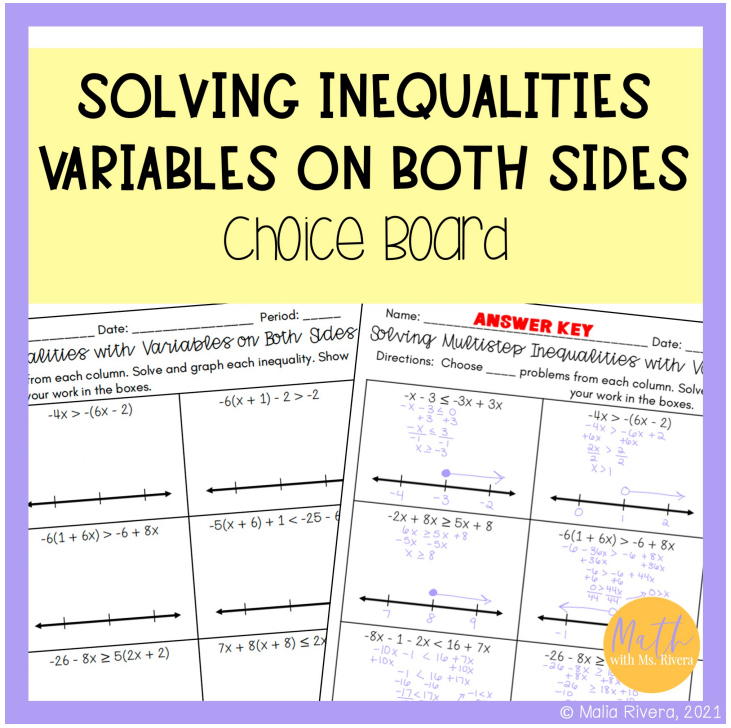
$6(x + 3) > 36$	$-2(x + 8) \geq -30$	$-(16-2x) > -10$
$2(2x + 1) \geq 62$	$-5(2x - 3) < 45$	$130 \geq 5(-5x + 4)$
$5(3x + 8) \leq 100$	$-4(-3x - 2) > 4$	$315 > -3(8x - 1)$

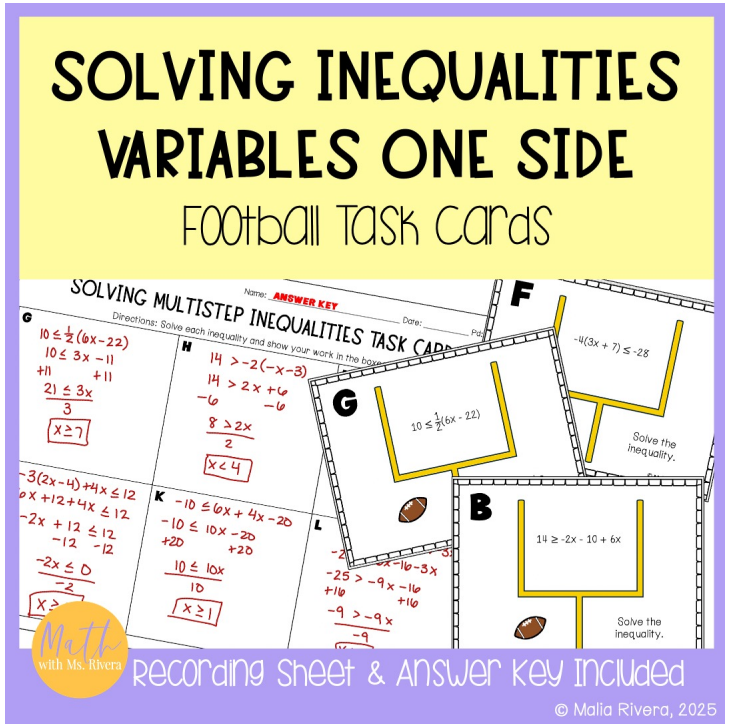
This is a great individual practice activity to use when reviewing how to solve & graph multistep inequalities with variables on one side by distributive property.

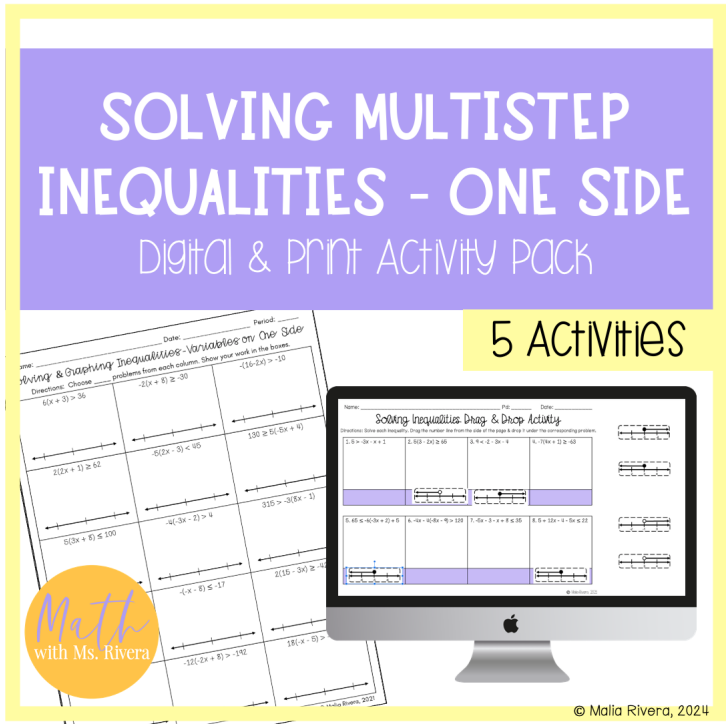
My favorite ways to use this choice board is for homework and math practice stations.

This is also a **substitute-friendly** assignment!

You may also *enjoy*...







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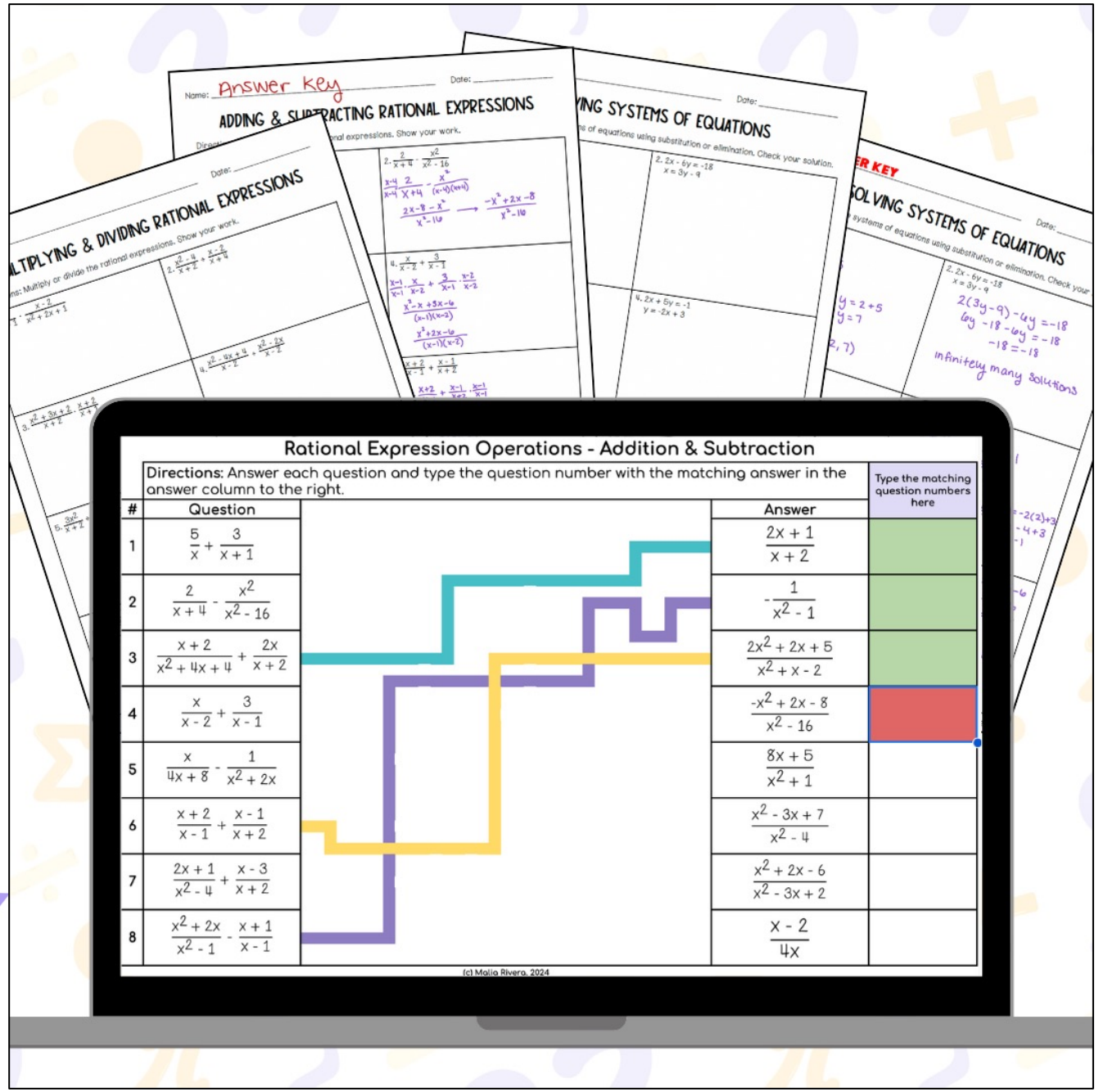
check it out!



hey there!

My name is Malia and I'm passionate about making learning and practicing math fun. I love creating engaging math resources for my students and I hope your students enjoy this activity too!

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