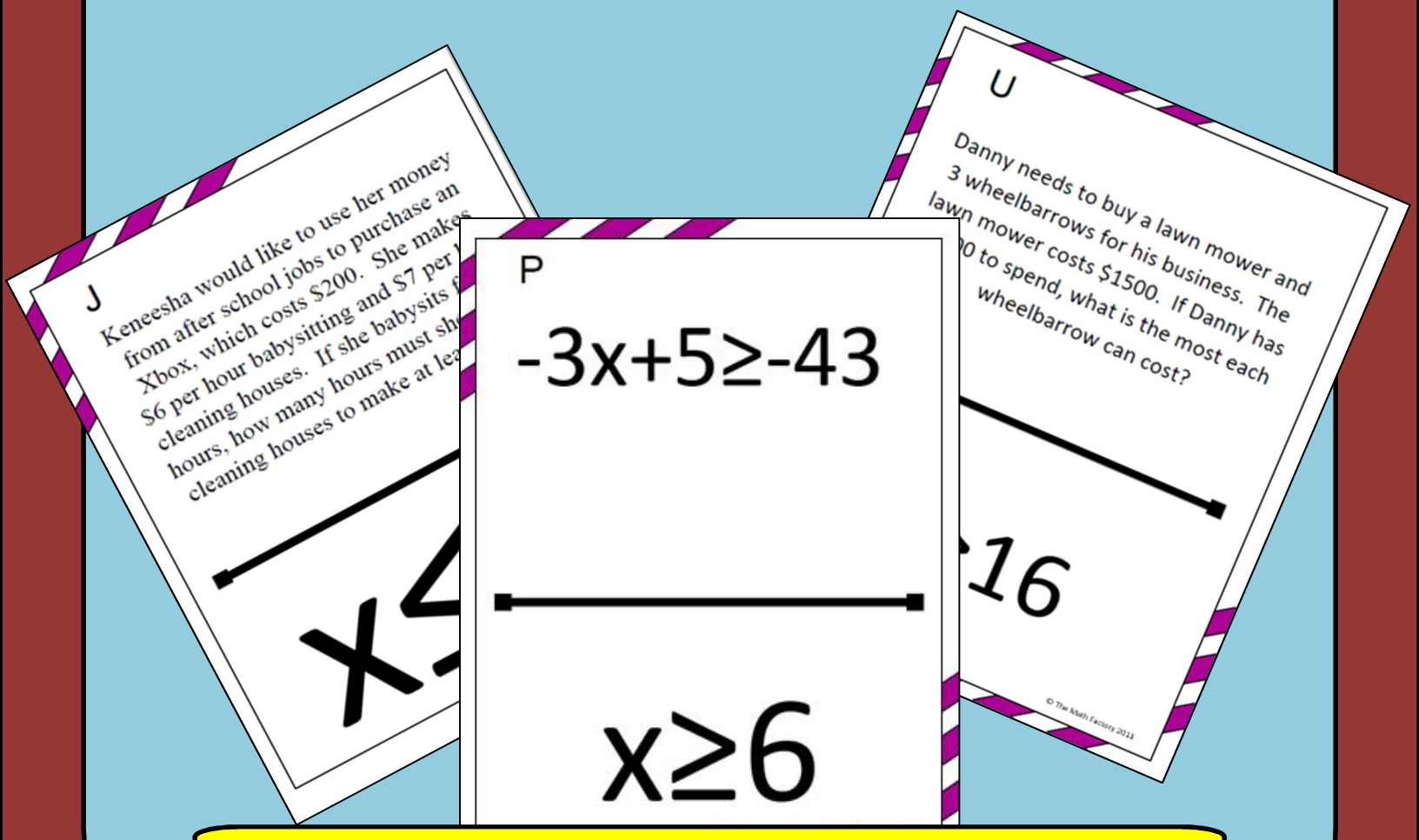
INEQUALITIES SCAVENGER HUNT



SELF-CHECKING!!

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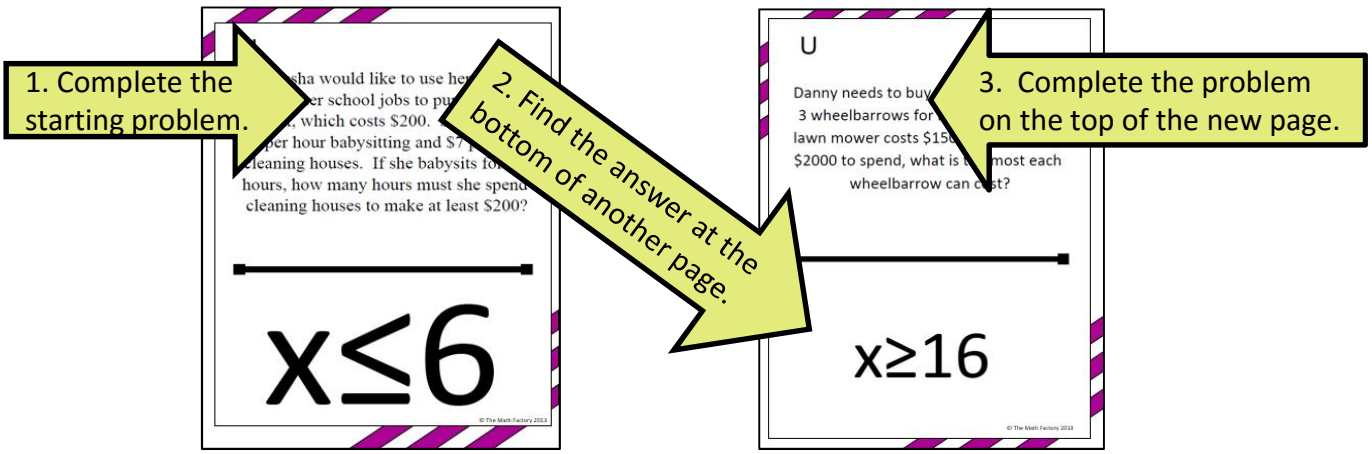
TEACHER DIRECTIONS

Post the pages around your room in a random order. The students may start on any letter they choose. They first solve the problem on the top of the page. They can organize their progress and show all of their work on the accompanying student work page. Then, they are to find the answer to their problem on the bottom of another page. They then solve the problem on the top of that page. They continue around the room until they return to the first page where they started their scavenger hunt. Starting with the "J" page the pages spell JUXTAPOSED when solved in the correct order. Enjoy!



J

Keneesha would like to use her money from after school jobs to purchase an Xbox, which costs $200. She makes $6 per hour babysitting and $7 per hour cleaning houses. If she babysits for 15 hours, how many hours must she spend cleaning houses to make at least $200?

$x \geq 6$

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U

Danny needs to buy a lawn mower and 3 wheelbarrows for his business. The lawn mower costs $1500. If Danny has $2000 to spend, what is the most each wheelbarrow can cost?

$x \geq 16$

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X

Johnny wants to buy the latest Call of Duty video game, which costs $49.99. Johnny already has $12 in his bank account. He earns $5 per lawn mowing lawns after school. How many lawns must Johnny mow to be able to afford the video game?

$x \leq 166.67$

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T

Nick has $15 to spend at the school store. Notebooks are $2 each and Jolly Ranchers are $3 per bag. If Nick buys 2 bags of Jolly Ranchers, what is the greatest number of notebooks he can afford?

$x \geq 8$

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A

Clarissa wants to go see Luke Bryan in concert. Tickets cost $54.50 each. Clarissa already has $25 saved and is going to save $5 per week from her allowance. In how many weeks will she be able to afford the cket?

$x \leq 4$

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P

$$-3x+5\geq -43$$

$$x\geq 6$$

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$$2x + \frac{2}{3} \geq 334$$

$$x \leq 16$$

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S

$$2(x+4)+3x \leq 48$$

$$x \geq 166.67$$

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E

$$-12x+21 \leq 69$$

$$x \leq 8$$

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D

$$6(x-11)+31x \leq 156$$

$$x \geq -4$$

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Scavenger Hunt Student Work Sheet

Name _____

Directions: Place the letter for each problem in the boxes at the top in the order you complete the problems. Show your work in the boxes below. The line in each box is for the letter of the problem.

____	____	____
____	____	____
____	____	____
____	____	____

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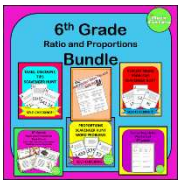

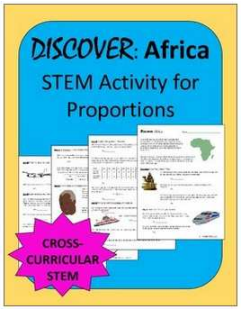

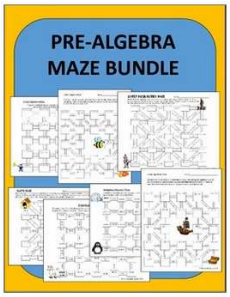

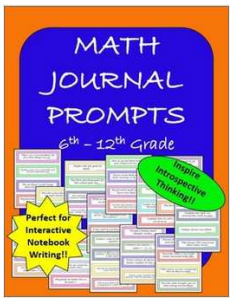

I would like to thank the following stores for their contribution to my products:

Krista Wallden
The 3am Teacher
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Miss Giraffe
Papachya Santi

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