

Core Engaging Necessary Thought-provoking Real Authentic Learning

### Section A: Patterns

Choose one of the following options:

- 1) Find a pattern in nature or real life and take a photograph of it. Describe the pattern.
- 2) Search for a pattern online. Include a picture of the pattern and describe it.

How you decide to present option 1 or 2 is up to you. It can be on a poster, in a brochure, a video, or if you have a different idea, consult with Mrs. Hutschenreuter first.

### Section B: Solving Equations

Choose one of the following options:

- 1) Given the list of steps, create an equation that uses the steps in the order given, and solve the equation.  
Step 1: Distribute, Step 2: Combine like terms, Step 3: Addition or subtraction property of equality, and Step 4: Division property of equality
- 2) Create a multi-step equation to solve and create a lesson based on your equation. Your lesson can be a podcast, video, slide show, or share your idea with Mrs. Hutschenreuter if you want to use a different platform.

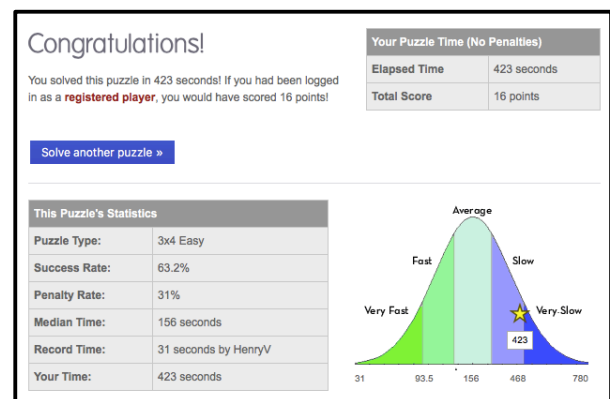
### Section C: Logic

Choose one of the following options:

- 1) Find your own logic puzzle and complete it. Include a blank copy of the logic puzzle, the clues, and your completed copy. Consult with Mrs. Hutschenreuter before moving forward with your find.
- 2) Complete a logic puzzle at the following website: <http://www.logic-puzzles.org/init.php>. Once completed, snapshot the screen of the completed puzzle and snapshot the screen of the webpage that will read "Congratulations".

It will look like the following:

You will be able to use the back and forward navigation keys in your browser to view both screens to snapshot.



- 3) Solve the following logic puzzle on the backside of this sheet.

		teams					colors					hometowns				
		Color Blinds	Night Ninjas	Oil Crew	Spray Paints	Target Bombs	blue	green	purple	red	yellow	Cromberg	Evansdale	Libertyville	Prairie City	Yucca Valley
rankings	first															
	second															
	third															
	fourth															
	fifth															
hometowns	Cromberg															
	Evansdale															
	Libertyville															
	Prairie City															
	Yucca Valley															
colors	blue															
	green															
	purple															
	red															
	yellow															

## Active Clues

- The team that finished third doesn't use red paintballs.
- The "Target Bombs" was ranked 2 places behind the squad from Cromberg.
- The blue team is either the team that finished fourth or the group from Evansdale.
- The "Night Ninjas" uses yellow paintballs.
- The group that finished second is from Evansdale.
- The squad from Yucca Valley, the squad that finished fourth and the "Oil Crew" are all different teams.
- The purple team is either the "Oil Crew" or the squad that finished third.
- The "Spray Paints" isn't from Libertyville.
- The yellow team was ranked 1 place ahead of the group from Prairie City.
- The squad from Cromberg was ranked 1 place ahead of the yellow team.
- The purple team was ranked somewhere ahead of the group from Evansdale.