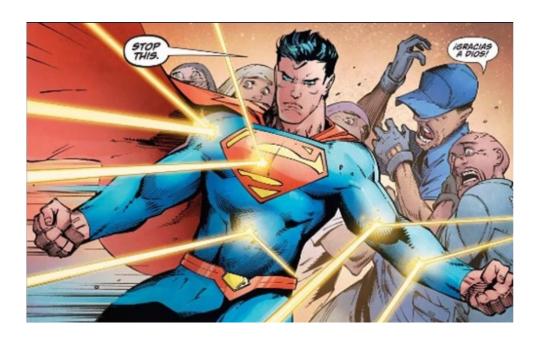


# CURRENT GROUPWORK

- Very few superheroes
- Few superpowers
- Many helpless citizens



## JUSTICE LEAGUE

- Many superheroes
- Different superpowers
- Working together
- Defeat complex problem



# JUSTICE LEAGUE JUSTIFICATION

- Many superheroes
- Different superpowers
- Working together
- Defeat complex problem
- Justify ideas!



# WHY HELPLESS CITIZENS & SOLO SUPERHEROES?

- Different experiences
- Individual think time
- Language
- ...
- STATUS



### STATUS

- Ranking relative to others
  - Based on perceptions of competence

### EVALUATION OF COMPETENCE

- Physical appearance skin color, body, clothes (race, gender, height, etc.)
- Speech (accent, fluency)
- Gender performance
- Social skills
- Emotional control

## STATUS

- Ranking relative to others
  - Based on perceptions of competence
  - Pervasive
  - Dynamic
    - But kids know their current ranking

# IN SUPERHERO TALK

 Low Status → <u>Underparticipator</u> → Helpless Citizen

High Status → Overparticipator →
 Solo Superhero

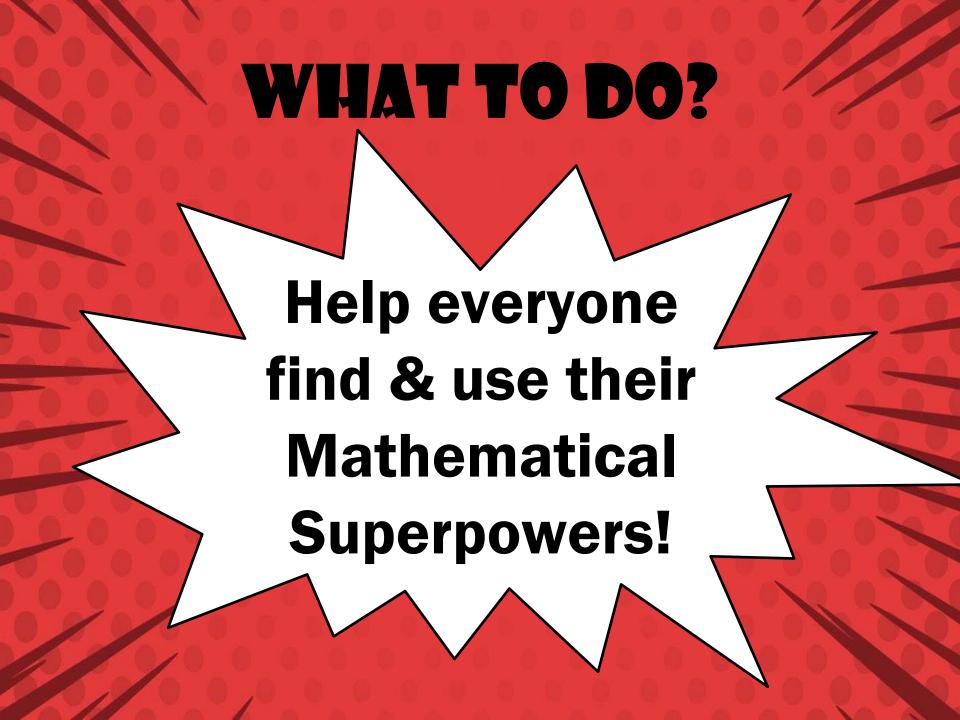
# IN SUPERHERO TALK

 Low Status → <u>Underparticipator</u> → Helpless Citizen

High Status 

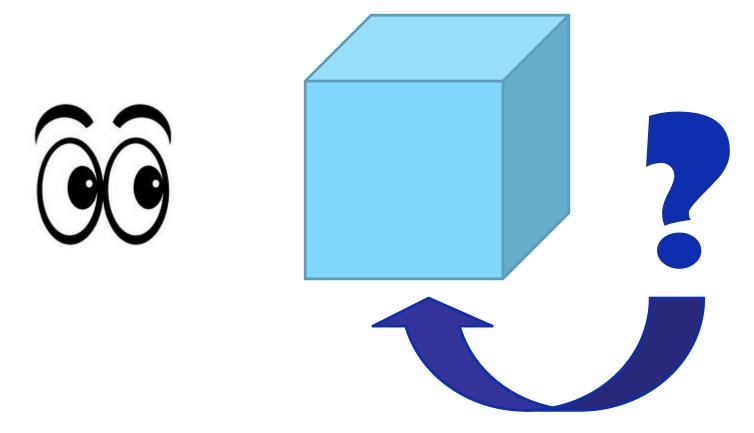
 Overparticipator 
 Solo Superhero

We are the main super the main super the main our classrooms!



# LET'S DO A TASK

- What do you see?
- What might be on the bottom?



# YOUR TURN

Listen, explain, take turns

No touching the cube!!

- What does each person see?
- Everyone should draw several pictures to show what might be on the bottom.

# **CURIOSITY CUBES**

How did your group function as a justification league?

- Multiple superheroes (everyone participated?)
- Multiple superpowers (different mathematical strengths?)



# SECOND GRADE SUPERHEROES

# JUSTIFICATION LEAGUE REFLECTIONS

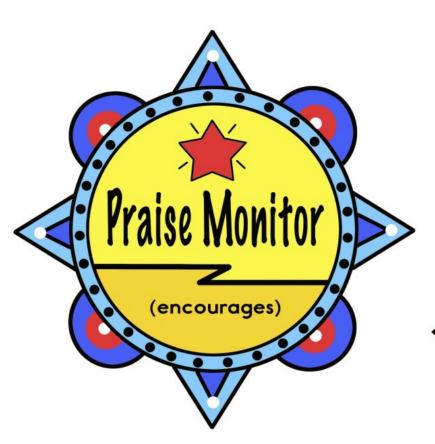
In math, I am <u>SUPER</u> at:			In math, I am a <u>SUPER HERO</u> when I	
		ant me, your teach		
			explain a Math J	



# KINDERGARTEN SUPERHEROES



# ROLES AS SUPERPOWERS





# MONSTER TASKS

Tasks that **require** multiple superpowers

Match superpowers to your **students** 

**Strengths of Underparticipators Stretches of Overparticipators** 

Drawing & Listening/Reflecting
Manipulatives & Asking Questions

# EXAMPLE MONSTER TASK



Raise hand for group questions.

Does anyone have an answer to Pat's question? Should I call the teacher over?



Make sure the task card gets read.

Does everyone know what to do?



Tell superheroes what they are doing well.

We are listening to each other!



#2 most important take-home idea for today!!



Raise hand for group questions.

Does anyone have an answer to Pat's question? Should I call the teacher over?



Make sure the task card gets read. Does everyone know what to do?



Tell superheroes what they are doing well. We are listening to each other!

# MATERIALS FOR TASK

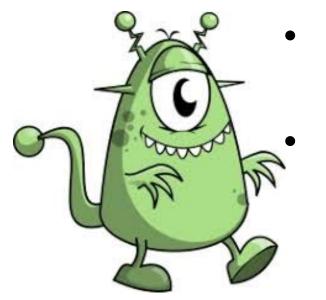
- 7 purple clue cards
- 3 white dice cards
- 4 blue dice cards
- 3 role cards
- 1 task card
- 3-5 recording sheets

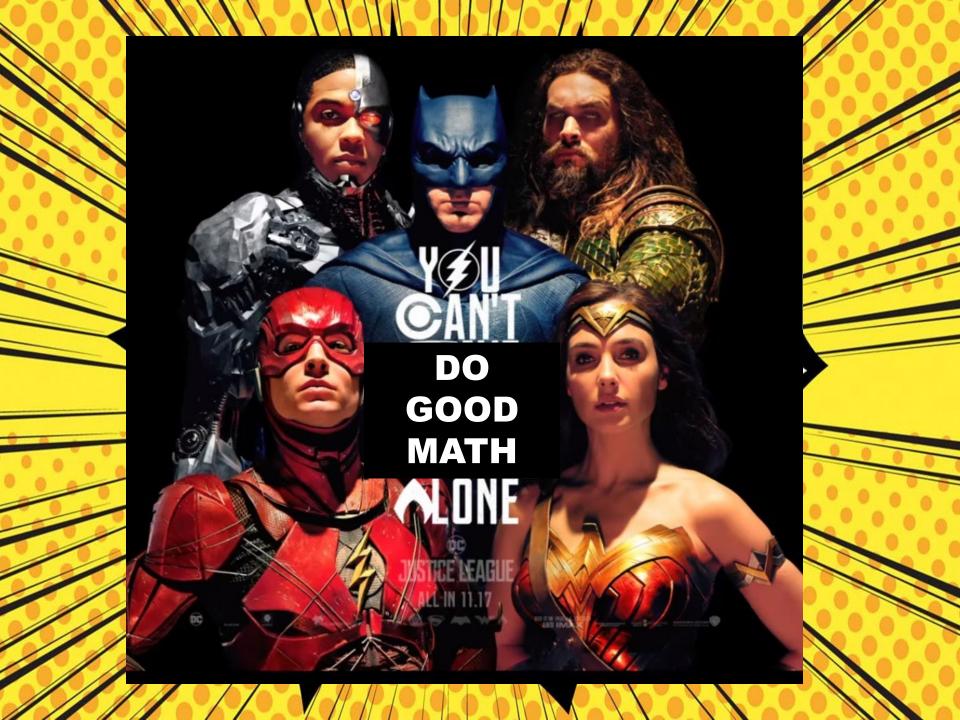
If you have all of your materials, please start the task.

# EXAMPLE MONSTER TASK

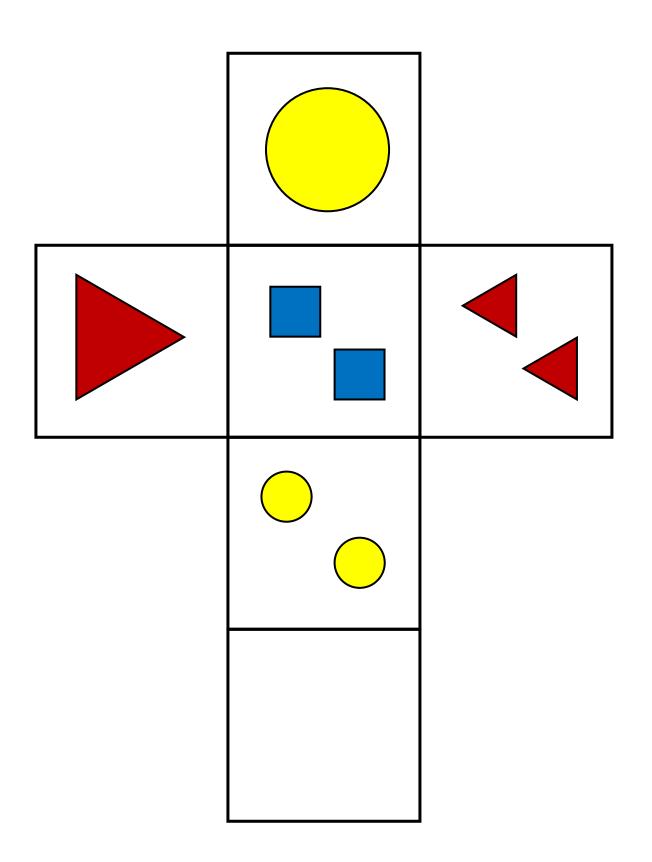
Was this a **MONSTER TASK** for your group? Did it require a **JUSTIFICATION LEAGUE**?

- What helped everyone participate?
- What different SUPERPOWERS were required?
  - What could you do if you had helpless citizens or a solo superhero?









#### **Justification League Student Reflection**

Name:	Date:
In math, I am <u>SUPER</u> at:	In math, I am a <u>SUPER HERO</u> when I:

#### **Justification League Student Reflection**

Name:	Date:		
How would you explain a Math Justification	What do you want me, your teacher, to know		
League to a student who is new to our class?	about Justification League work?		

### **WHAT'S THE ORDER?**

#### **Teacher page**

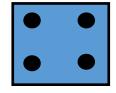
#### **Materials:**

- One set of dot cards for each small group of students
- One set of clue cards for every student
- One copy of norms and task for each small group
- Recording sheet for every student

#### **Hints:**

- Review Justification League super powers with your students before you begin.
- While this task has students working on logical reasoning, subitizing, and adding 3 numbers the focus is on strengthening their skills as Justification League members.
- Be sure students are rotating the roles through out the activity. This may be different from other tasks where the roles remain the same throughout.

#### **Solution:**

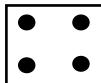


discard

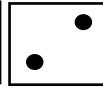












# kg

### **WHAT'S THE ORDER?**

#### **Norms**

Everyone in the <u>Justification League</u> will take a turn being the INCLUDER and will have a chance to read a clue card.

Other League members are QUESTIONER and PRAISE MONITOR

Only the person whose name is on the card can move the card.

Everyone will Record and Reflect on their own recording sheet.

#### **Task**

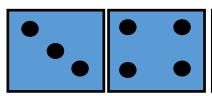
Use the seven cutouts of dot cards. Students write their names on 2 or 3 cards each.

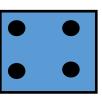
Take turns reading a card and arrange the dot cards as a team.

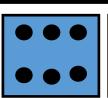
Check that each team member can justify your current arrangement before you move to the next card.

When you have the cards arranged in your final order help your group members practice their justification.

Signal me over so I can choose one team member to justify your final order.







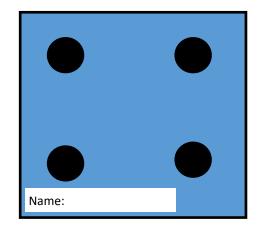


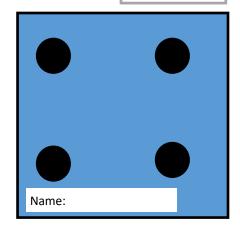


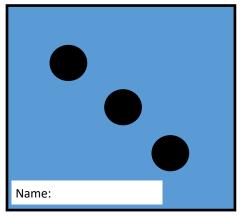


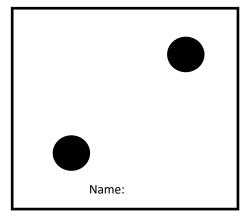
Each <u>Justification</u>

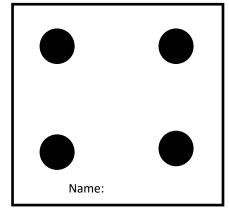
<u>League</u> needs on set of dot cards and role cards cut out.

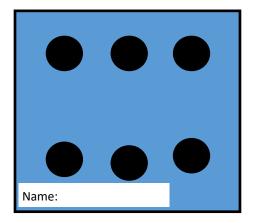


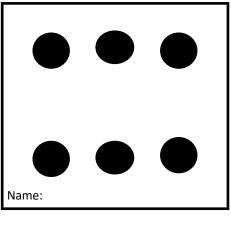


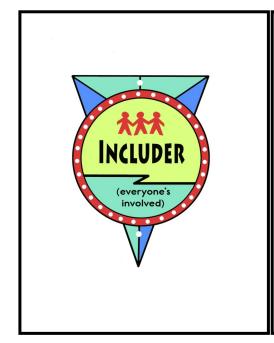
















#### **WHAT'S THE ORDER?**

The first dot card is blue and shows an odd number of dots.

#### WHAT'S THE ORDER?

The last dot card is white and shows an even number of dots.

#### **WHAT'S THE ORDER?**

White dot cards are never next to other white dot cards.

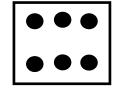
#### WHAT'S THE ORDER?

You only need one of these dot cards.

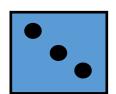
#### **WHAT'S THE ORDER?**

The third, fourth, and fifth dot card add up to 14.

#### WHAT'S THE ORDER?



is next to



#### **WHAT'S THE ORDER?**

Dot cards with the same number of dots are always next to each other.

### **WHAT'S THE ORDER?**

#### Recording Sheet

Name:					
Other League Members :					
Shade and show the dots in the spaces below. Have the cards in the same order your league agreed upon.  Cross out any dice you did not use.					

What was your super power during this task?

How did you put your super power to work?