

Who “wins”?

Roles:

- **Facilitator:** Make sure your group reads all the way through this card together before you begin. *“Who wants to read? Does everyone get what to do?”* Keep your group together. Make sure everyone’s ideas are heard. *“Did anyone see it a different way? Show us what you saw. Are we ready to move on?”* Keep track of the time.
- **Recorder/Reporter:** Make sure each person writes down the task question in their notes. *“Has everyone written down the problem?”* Make sure each person is working on strategies and taking notes. *“Is everyone writing? We should all record each others’ ideas.”* Help your group organize the final product. *“How can we show that idea? How would that look on a graph?”*
- **Resource Manager:** Get materials for your team. *“Does anyone need paper or a pencil?”* Make sure all questions are group questions. *“Does anyone have an answer to that question? What information do we need from the teacher?”* Call Ms. Kaldman or Ms. Blackburn over for group questions.
- **Questioner:** Remind your team to find reasons for each mathematical statement and search for connections among the different statements. *“How do you know that for sure? How does that relate to...”*

Task:

- As a class last week you had a “competition” to discover that _____ could throw away ____ items in ____ seconds and that _____ could throw away ____ items in ____ seconds. Suppose that _____ and _____ help Ms. Kaldman clean up the classroom after an activity using those items.
- Use at least two different strategies to answer the question: “Who will throw away more items?”

Final product:

Your group should make a poster that:

1. States the situation and the problem. (Make sure you include all the information you were given about the situation!)
2. Shows each strategy and how you used the strategy to answer the question. You can use grids, pictures, charts, written explanations or any other tools you need to make your explanations clear and easy to understand. Make sure you communicate your mathematics “for the public.”
3. Shows everyone’s ideas and is well organized.

Make sure that each person in the group can explain all of the solutions.