

Fun at the Fair

Lesson Plan

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The Task

Mrs. Hoffmann brings her 6 children to the fair. She buys a big box of 45 mini-donuts for the children to share equally. How many mini-donuts will each child get?

The children are ready to go on the fair rides! Mrs. Hoffmann buys a bag of 45 ride tokens for the children to share equally. If each ride costs one token, how many rides can each child enjoy?

Materials

- The tasks copied front to back
- Paper
- Scissors
- Tokens or coins
- Large presentation paper
- Markers

Facilitating Task

- This task can be completed individually or in small groups of 3-4 students.
- Read the task together and answer clarifying questions.
- Make materials available to the students/groups.

If students work in groups:

- *Give students individual think time before coming together.*
- *Each group will record the group's thinking and solution on the large presentation paper. They will present their findings to the class.*

If students work individually:

- *After solving, pair students to discuss and share strategies for 5-10 minutes.*
- *Select between 4 and 6 students with unique solution strategies to share with the class.*
- Allow 15-20 minutes for sharing and connections.
- Begin with the most concrete strategy and move to the most abstract strategy. Ask questions to highlight connections between strategies.
- Wrap up the lesson with a discussion of these questions: How are these problems the same? How are they different? As a class, record observations about the role of remainders in division.

Misconceptions	Suggested Prompts or Questions
<ul style="list-style-type: none">• Individual donuts cannot be split.• Tokens can be divided.• The two problems have the same answer because $45 \div 6 = 7 \text{ R}3$.	<ul style="list-style-type: none">• How many whole donuts will each child get?• What can they do with the leftover donuts?• What can they do with the leftover tokens?• How are these problems the same?• How are they different?