

# 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.

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