

A Fraction as Part of a Set

Subject: Mathematics
Stand: Number

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Grade: 4

Content (topic)	
Exploring Fractions	
Outcomes	Indicators
<p>N 4.6: Demonstrate an understanding of fractions less than or equal to one by using concrete and pictorial representations to:</p> <ul style="list-style-type: none">• Name and record fractions for the parts of a whole or a set• Compare and order fractions.• Model and explain that for different wholes, two identical fractions may not represent the same quantity provide examples of where fractions are used	<p>N 4.6c: Name and record the fraction for the included and not included parts of a set.</p> <p>N 4.6e: Represent a fraction pictorially by indicating parts of a given set.</p>
Mathematical Processes:	
<ul style="list-style-type: none">• Connections• Communication• Problem Solving• Reasoning• Visualization	
Lesson Preparation	
Equipment/materials:	
<ul style="list-style-type: none">• Graph paper, labeled A-E on the vertical axis and 1-4 on the horizontal axis with a picture of the Red River cart in the background. (See Appendix 1)	
Advanced Preparation:	
<ul style="list-style-type: none">• Print the worksheets• Print the pictures of the Red River carts onto graph paper	
Presentation	
Set	
<ul style="list-style-type: none">• Explain the history of the Red River Cart and show students the PowerPoint presentation.	
Development	
<ul style="list-style-type: none">• Hand out the picture of the Red River cart and ask students to count the number of squares on the picture.• Once students have determined that there are 20 squares, ask students to identify the squares that contain part of the cart. <i>What fraction of</i>	

the squares contains part of the car?

- After students have determined the fraction, ask the students to fill out the questions in the provided worksheet. (See Appendix B) The worksheet requires the students to examine the Red River cart in order to name and record fractions.

Appendix A



