



SAMPLE MATERIAL

Sharing Cookies Worksheets

Tollgate Elementary School of Expeditionary Learning, Colorado

Topic: Developing Effective Fractions Instruction for K-8

Practice: Initial Fraction Concepts

Teachers at Tollgate Elementary School of Expeditionary Learning provide students with a variety of opportunities to build their understanding of initial fraction concepts. These worksheets focus on creating equal shares. The worksheets are differentiated to include problems of three different difficulty levels, beginning with dividing an even quantity of cookies between two children, and progressing to problems that require working with fractional parts to create equal shares.

Teacher directions to students: “We will use stickers (dots) to represent cookies. Put stickers on your paper to show how you can share equally cookies among kids.”

Name _____ Date _____

I can make equal groups.

<p>2 kids 6 cookies</p> <p>How many cookies does each kid get? _____</p>	<p>2 kids 12 cookies</p> <p>How many cookies does each kid get? _____</p>
<p>2 kids 10 cookies</p> <p>How many cookies does each kid get? _____</p>	<p>2 kids 8 cookies</p> <p>How many cookies does each kid get? _____</p>
<p>2 kids 4 cookies</p> <p>How many cookies does each kid get? _____</p>	<p>2 kids 14 cookies</p> <p>How many cookies does each kid get? _____</p>

Name _____ Date _____

I can make equal groups.

<p>3 kids 6 cookies</p> <p>How many cookies does each kid get? _____</p>	<p>4 kids 12 cookies</p> <p>How many cookies does each kid get? _____</p>
<p>5 kids 10 cookies</p> <p>How many cookies does each kid get? _____</p>	<p>4 kids 8 cookies</p> <p>How many cookies does each kid get? _____</p>
<p>4 kids 2 cookies</p> <p>How many cookies does each kid get? _____</p>	<p>2 kids 5 cookies</p> <p>How many cookies does each kid get? _____</p>

I can make equal groups.

<p>2 kids 7 cookies</p> <p>How many cookies does each kid get? _____</p>	<p>3 kids 10 cookies</p> <p>How many cookies does each kid get? _____</p>
<p>2 kids 11 cookies</p> <p>How many cookies does each kid get? _____</p>	<p>3 kids 7 cookies</p> <p>How many cookies does each kid get? _____</p>
<p>2 kids 15 cookies</p> <p>How many cookies does each kid get? _____</p>	<p>4 kids 9 cookies</p> <p>How many cookies does each kid get? _____</p>