

Cookies and Fractions and Sharing Equally

I am going to give you a math activity to explore in your groups that will involve sharing cookies. We won't be using real cookies. We'll be using make-believe cookies. I've provided you with five sheets, in different colors, with different numbers of "cookies" on each sheet. Your first responsibility is to cut out all of the circles in all five sheets. You will group the circles by color. I will also be passing out a work sheet on which your group will record your work.

Let me ask you a question before we get started. If I gave a group of four children four cookies to share equally, how much would each person get? (This allows the opportunity to discuss sharing equally, an important concept for dealing with fractions.

Your FIRST task is to figure out how to share six cookies equally among your group. Use the SIX circles of the same color for this exercise. Use scissors to cut your cookies so that each of you gets an equal share. Then paste each persons' share on the worksheet in their identified space.

Once you have shared the cookies equally among your group, discuss together how to record at the bottom of the sheet how much each person got.

Once you have completed this assignment

with SIX cookies on the green sheet of paper,

repeat the assignment

with FIVE COOKIES on the yellow sheet of paper and complete the worksheet,

then repeat the assignment

with THREE COOKIES on the pink sheet of paper and complete the worksheet,

then repeat the assignment

with TWO COOKIES on the blue sheet of paper with a completed worksheet,

and, finally, repeat the assignment

with ONE COOKIE on the lilac sheet of paper with a completed worksheet.

An alternate choice for the cookie colors would be to provide the student group with the last two pages of this lesson and tell them to color their cookies per each category, 6 cookies, 5 cookies, etc the same way. This would allow the students to be creative with color and pattern on their cookies.

Additionally, the number of cookies per worksheet can be re-determined by the instructor as it best meets the purpose of the lesson to the size (number of students) of your classroom.

Share **6** cookies EQUALLY among _____ people.

Name _____

Name _____

Name _____

Name _____

We each got _____ cookies.

Share **5** cookies EQUALLY among _____ people.

Name _____

Name _____

Name _____

Name _____

We each got _____ cookies.

Share **3** cookies EQUALLY among _____ people.

Name _____

Name _____

Name _____

Name _____

We each got _____ cookies.

Share **2** cookies EQUALLY among _____ people.

Name _____

Name _____

Name _____

Name _____

We each got _____ cookies.

Share **1** cookie EQUALLY among _____ people.

Name _____

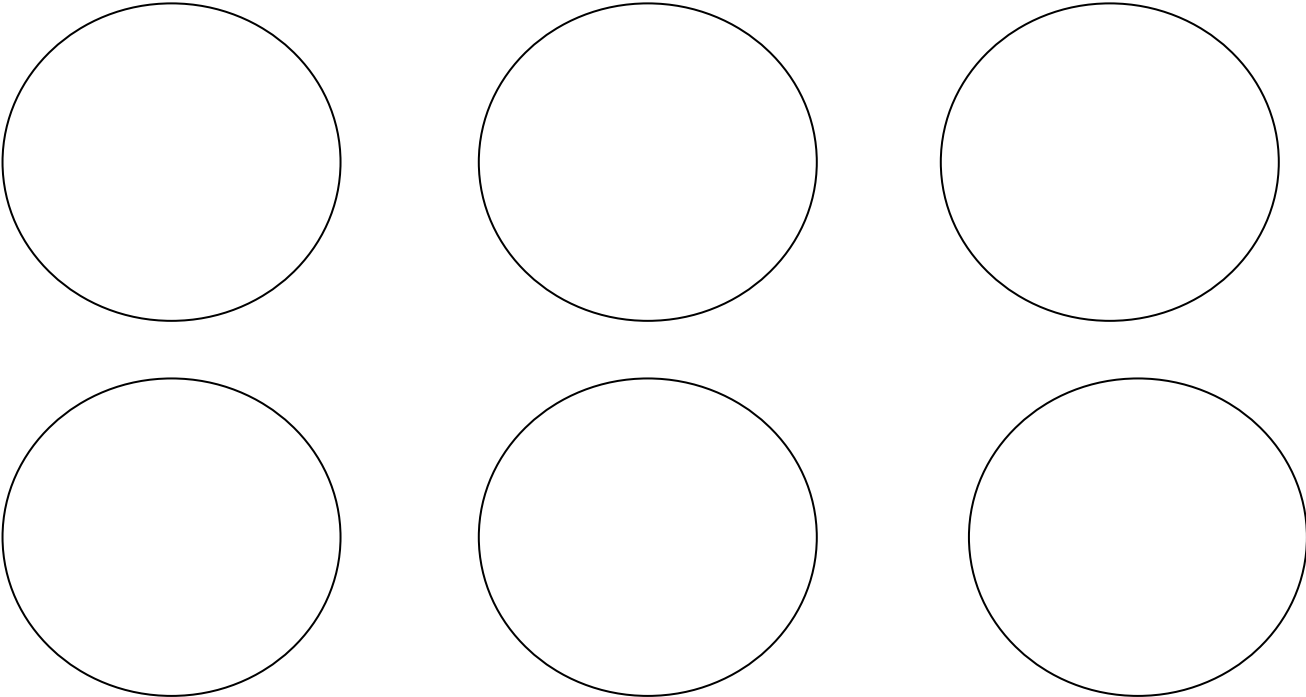
Name _____

Name _____

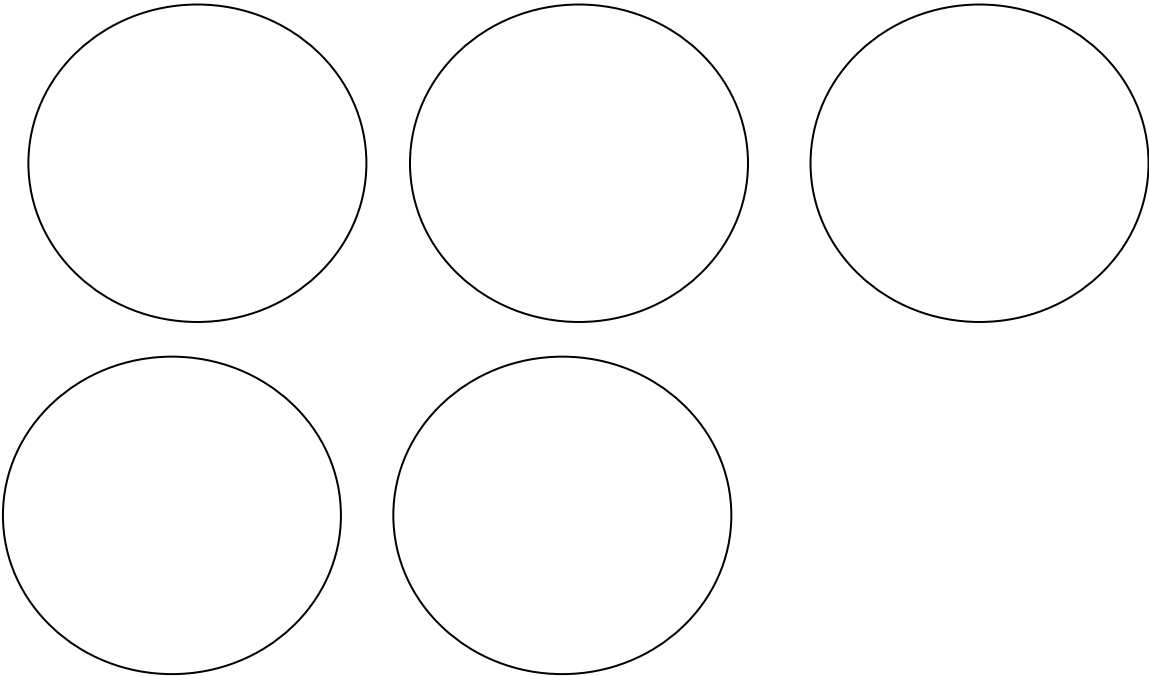
Name _____

We each got _____ cookies.

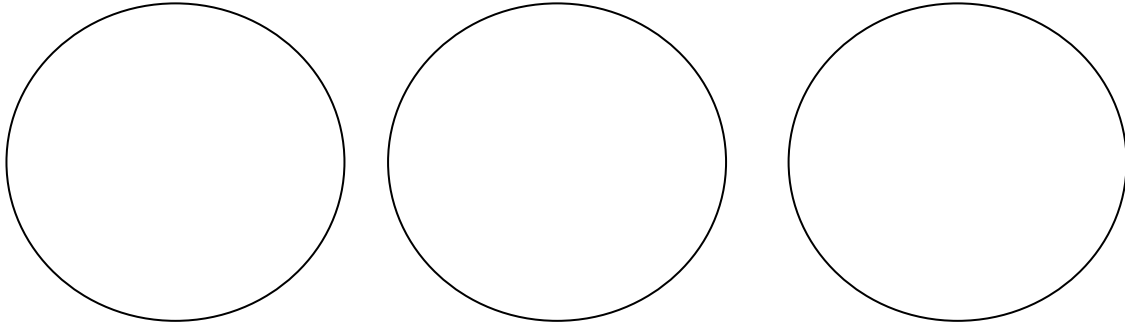
6 "green" cookies



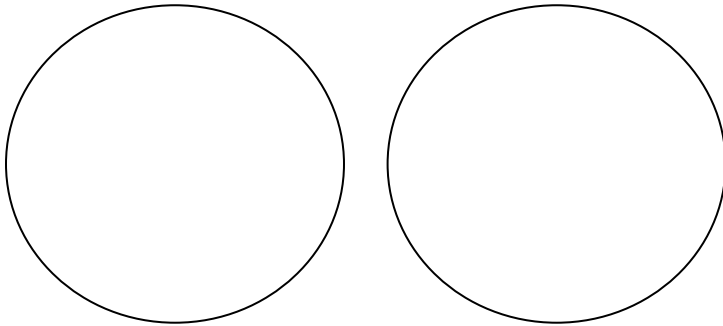
5 "yellow" cookies



3 "pink" cookies



2 "blue" cookies



1 "lilac" cookie

