MARTIN'S math club

Lesson Plan

Grade 3

Number Sense - Fractions

"Take it to the Hoop!"

Objective:
By the end of the activity, the students will be able to:
- Develop a basic understanding of fractions.

Materials:
- Small, soft balls
- Baskets
- "Fraction Circles" activity sheet

Teacher Preparation:
- Copy the "Fraction Circles" activity sheet.
- Have enough baskets and balls so that each group has one set.
- Decide where the basket(s) and free throw lines will be. (You may want to tape the area(s) on the floor of your classroom.)

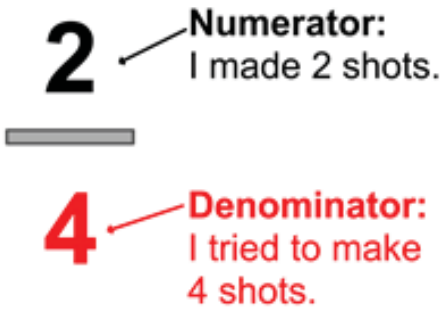
Introduction:
Ask the students how many baskets they think they can make from your free throw line. *You want to allow their minds to begin thinking in terms of fractions.*

Question(s):
- Who has the best basketball skills? If I gave you 4 tries to make a basket from this line, how many do you think you would make?

Activity:
- Have the students take turns within their groups making shots into their baskets. Allow each person to only attempt 6 shots and to record how many they make.
- After everyone has attempted and recorded the number of shots they made, pass out the fraction circles.

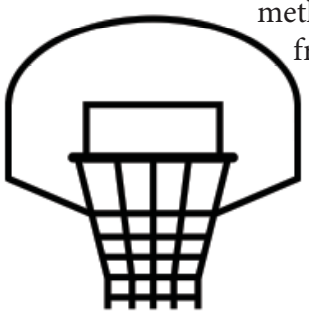
South Carolina College- and Career-Ready Standards for Mathematics:
3.NSF.1 Develop an understanding of fractions (i.e., denominators 2, 3, 4, 6, 8, 10) as numbers.

Teacher Model:
This circle has been divided into 4 equal parts because I tried to make 4 baskets. I am going to shade in the number of baskets I made. Since I made 2 baskets, I am going to shade in 2 sections of my circle.



Allow the students to shade the number of section that match the number of baskets they made. Then, allow them to compare their fraction circles with their groups and as a class.

Extensions:
- You may change the number of attempts each student gets, using a different fraction circle.
- The students can represent the fraction using other methods (i.e. number line or fraction bar).



Fraction Circles