

Lesson Title: Converting Improper Fractions to Mixed Numbers
Date: March 6, 2008
Subject: Math
Grade Level: 5

Standard: *N20*: Convert improper fractions to mixed numbers and mixed numbers to improper fractions.

AIM: To change improper fractions to mixed numbers

INTRODUCTION

Do Now:

- 1) Identify a mixed number and improper fraction from a picture.
- 2) Draw an improper fraction and write it as a mixed number.
- 3 – 5) Convert mixed numbers to improper fractions.
- 6) (challenge) Convert an improper fraction to a mixed number.

(25 min)

1) Welcome/Opening/Do Now/Connect to Past Lessons: Students come in, take out homework, supplies, Agenda, and write down homework and put Agendas away. Do Now goes on blank heading paper, check homework while they work, and have students do on board. After the Do Now but before reviewing it, do the YMCA/mixed number dance, then review the steps for changing mixed numbers to improper fractions. (multiply denominator by whole number, add numerator, keep the same denominator) Then go over the Do Now.

2) Motivation: Before we talk about math today, I'm going to give you a short history lesson. The first cars were made at the end of the 1800's and the beginning of the 1900's. How many of you have seen an old-fashioned car, in a picture or movie or cartoon? Does anyone know how those cars got started up? (They had to be cranked up.) You might get to see some of those early cars when we go to the Museum of American History in Washington, D.C. So keep that image of cranking a car in mind for today's lesson.

DIRECT INSTRUCTION/GUIDED INSTRUCTION

(Time: 25 min)

Example #1:

Right now I'm going to let you in on a little math secret. Let's say we write the fraction $25/6$. It's a bighead fraction. Now, when we draw the fraction bar under 25, it just looks like a solid line, right? Well, if you look really, really closely at it and magnify it so you can see what it really looks like, it looks like this: *draw a bar with a hole in the end*. There's a small hole in one end of the fraction bar! And we can take a crowbar, and stick it in that hole, so that we have a crank, just like on those old-fashioned cars we talked about. And if we turn the crank (*get them to all*

AGENDA

- 1) Welcome
KIPPster
heroes!
- 2) Do
Now/Check
HW Collect
quiz
- 3) Crank it!
- 4) Assign HW
- 5) Gee! I'm a
Tree!
- 6) HW/TS
Review

MATERIALS
HW
**BUSINESS/
PREACHING**