

# Math 5 - Act. 05: Mixed Number/Improper Fraction Bingo

## Summary

This activity has students playing a bingo game to better understand Mixed Numbers and Improper Fractions.

## Materials

- Some manipulative such as Fraction Circles for modeling mixed numbers and improper fractions
- Bingo game board for each student
- Set of improper fraction cards
- Game board markers
- Prizes for winners

## Additional Resources

*The Hershey's Milk Chocolate Bar Fractions Book* by Jerry Pallotta

## Background for Teachers

Some work with renaming from one form to the other should have taken place before playing the bingo game. It is useful to look at models of renaming between the forms, instead of going straight to the abstract computation of it. This helps students develop a better understanding of the process. This sample shows modeling with rectangles. This is a great use for Fraction Circles or Fraction Factory pieces as well as any handmade equivalent fraction sets. Don't leave out the modeling! When making the connection to the symbolic make sure to discuss the fraction bar as another division symbol.

## Intended Learning Outcomes

3. Reason mathematically.

## Instructional Procedures

Invitation to Learn

**BINGO WITH PRIZES!**

Instructional Procedures

See bingo game attachment.

## Extensions

Possible Extensions/Adaptations

Have two versions of the game, one changing improper to mixed and vice versa. Also, use the numbers to create a mixed number/improper fraction concentration game.

Homework & Family Connections

Mixed Number/Improper Fraction Concentration Game. Have each student find a recipe that calls for quantities such as 1 cup of sugar and have them change those amounts to improper fractions.

## Authors

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