



Elementary Mathematics Professional Learning

GRADE 6 : NUMBERS

4. Relate improper fractions to mixed numbers and mixed numbers to improper fractions.
5. Demonstrate an understanding of ratio, concretely, pictorially and symbolically.

+Resources

ExploreLearning Gizmo - Percents, Fractions, and Decimals (html) - [Click here](#)

Found on LearnAlberta, must log in)

Note for teachers:

May be used as an exploratory extension in Gr. 5, appropriate for Gr. 6.

ExploreLearning Gizmo - Ordering Percents, Fractions, and Decimals Greater Than 1 - [Click here](#)

Found on LearnAlberta, must log in)

Go to “Fractions - Exploring Part/Whole Relationships”

Note for teachers:

- May be most valuable for teacher with ideas for classroom activities and a variety of contexts in which to talk about fractions and equality
- May be a little too prescriptive for stand alone activities

Go to “Representing Improper Fractions as Mixed Numbers” (Look at Activities 5.1 to 5.4)

Developing Mathematical Fluency (Wheatley & Abshire, 2002) - Fraction Balance pp. 106-111.

Note for teachers:

To be used as a mental math starter with students, powerful discussion piece, not to be used as paper/pencil tasks.

The Difference Between 2 Mixed Numbers - K-5 Math Teaching Resources (Mental Math Starter) - [Click here](#)

Closest to 25 - K-5 Math Teaching Resources (Benchmarking practice through games) - [Click here](#)

Whole Number and Mixed Number Models - K-5 Math Teaching Resources - [Click here](#)

(Relating Whole & Mixed Numbers in Context)

Diagnostic for various Multiplication and Division strategies (Marian Small) - [Click here](#)

Accompanying support to interpret the above diagnostic - [Click here](#)

