

Learning Outcomes:

Fractions, Decimals and Percentages Unit Grade 3

Subunit One: Working with the Basics

Two Days: Students will be able to find the fraction $\frac{1}{2}$ in every aspect of the classroom. Always recognizing that $\frac{1}{2}$ is one of two equal parts. (knowledge, comprehension)

Two Days: Students will be able to find the decimal of .50 and 50% in every aspect of the classroom. Always recognizing that it is the same as one half and that it is the decimal and percentage equivalent to the fraction $\frac{1}{2}$. (knowledge, comprehension)

Two Days: Students will be able to demonstrate the ability to work with place values to see the correlation between the whole number and what a decimal represents. (comprehension, application)

Two Days: Students will be able to demonstrate the ability to work with decimals and relate their place value to the % meaning per hundred. (application)

Students will be able to express their understanding through formative assessments given through out the first 8 days of the unit. (application)

Subunit Two: Working with all the pieces

One Day: Students will demonstrate the ability to recognize $\frac{1}{4}$ as one of four equal parts. (knowledge, comprehension)

Students will demonstrate the ability to recognize that $\frac{1}{4}$ will have a decimal to represent it and also a percentage. (knowledge, comprehension)

One Day: Students will discover and identify that $\frac{1}{3}$ is one of 3 equal parts and has a decimal to represent it and also a percentage. (analysis)

Four Days: Students will discover that there is a connection between all fractions, decimals and percents through a project based assignment. This will lead them to want to explore all of the possibilities. This will

also be a lead in to the extended decimal place values. (synthesis, evaluation)

Using formative assessments the students will be able to express their understanding of the information.

Using a summative assessment students will participate in hands on written expression of their total understanding of the unit.

Goal: To assist them in seeing and working with the connection between decimals, fractions and percentages. To create the foundation of understanding between the three areas to see them as always connected and never separate entities.