

# Fractions, Decimals, and Percents Choice Board

Fractions	Percents	FDP interchangeably
Have you ever considered all the 'rules' in mathematics? For example, the rules for adding and subtracting fractions are different from the rules for multiplying and dividing fractions. And then the rules for dividing fractions are different from the rules for multiplying fractions. Using words, numbers, and pictures JUSTIFY the mathematical rules for each arithmetic operation.	With election season approaching, have you ever noticed that political analysts typically report which candidate receives the greatest <b>percentage</b> of votes rather than how many votes each candidate actually receives? Why do you think that is? <b>CRITIQUE</b> their approach using the "Class President Task" available in the back of the room.	Your younger brother says that it is impossible to write the same number more than one way. How could you prove to him using words, pictures, and numbers that it is possible to write the same number (or value) multiple ways. Develop a sound argument to present to the class explaining your reasoning.
Have you ever heard of Egyptian Fractions? The ancient Egyptians only used fractions in the form $\frac{1}{n}$ so any other fraction had to be represented as the sum of such unit fractions and, furthermore, all the unit fractions were different! You must research Egyptian fractions using the websites I have provided and evaluate why you think we don't use them today. You will prepare a presentation of your findings to present to the class. You may use powerpoint, Prezi, or goanimate.com for your presentation.	Design a survey about something you are interested in. It could be about ANYTHING! Then turn your survey results into percentages. Do your percentages add up 100%? If not why do you think that is? Use your knowledge of fractions and percents to find a way to prove that 1 whole might not always mathematically equal 100%. <b>THIS CAN BE DONE!</b>	Are you competitive? Do you learn through gaming? Design a game that students could use at home or in the classroom to review fractions, decimals, and percents. Your game must have all the elements required to play the game (game board, rules, etc).
After looking at our learning profiles, we have seen that many students are visual learners. Develop 4 detailed lesson plans that math teachers could use to teach fraction operations (addition, subtraction, multiplication, and division) while accommodating those students who are visual learners.	Develop an easy way to determine how much an item is going to cost if it is on sale using mental math. Then use powerpoint, the flip cameras, or goanimate.com to explain your strategies to present to the class.	Have you ever wanted to be an author? Do you love to write? Write a book that uses fractions, decimals, and percents interchangeably!

You must choose 1 activity from each column and at least one of your choices should require a presentation.