

Topic:

Basic fraction arithmetic, including addition, subtraction, multiplication and division.

Goals:

1. Students should be able to add, subtract fractions together.
2. Students should be able to utilize visual aids to assist them in the solving of problems (i.e the beakers)
3. Students should be able to recognize patterns and using past solutions to help determine answers to future questions

Materials:

1. XO Laptop
2. Fractionaunts game

Teaching Sequence:

1. If students are not yet familiar with the XO laptops there should a session in which they learn the basics of using an XO.
2. Students should have a working knowledge of fraction arithmetic prior to playing Fractionaunts. Fractionaunts is a game to help practice fraction arithmetic rather than teaching it.
3. Fractionaunts can be used as a testing platform. The scores can be used to determine the overall success rate of the students and can be used to gauge future lessons.
4. Fractionaunts should be used in intervals and as a way of making practicing fractions fun

Checking for Understanding:

Students should be able to gradually increase the amount of levels they are able to complete.

Sample timeline:

- Week 1 - The student can complete the first 5 levels in approximately 10 minutes.
- Week 2 - The student can complete the first 5 levels in approximately 8 minutes.
- Week 3 - The student can complete the first 15 levels in 10 minutes.
- Week 4 - The student can complete the first 15 levels in 8 minutes