

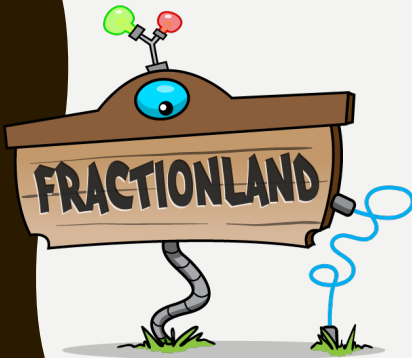


Student Guide

Episode 1:
DAWN OF DISORDER



Welcome



Set in a strange land filled with friendly Monsters, this game is a great way to introduce Unit Fractions. Students will be engaged with interesting characters and storylines, all while learning the basics needed to advance their knowledge of fractions

Our methods of in-game assessment allows students to demonstrate mastery of outcomes tied directly to *Common Core standards*. Timely hints and suggestions (known as “error scaffolding” and “structural scaffolding”) guides students when when they get stuck



Teachers may receive automatic notifications when students are struggling to enable intervention when necessary. Students may also share their achievements and rewards with family members and friends.

Looking for more context? Check out our [FAQ](#)



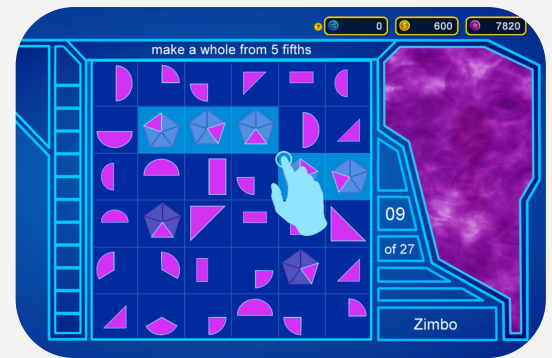
Overview



Monsters vs. Fractions features three distinct game mechanics that introduce Unit Fractions to early learners:

The portal machine: Slice, dice, swipe and match (30–45 minutes)

Students will identify a unit fraction showing the quantity formed by 1 part when a whole is divided into b equal shares ($1/b$)



The catapult: Launch and learn (15–30 minutes)

Students will represent a fraction $1/b$ on a number line by defining the interval from 0 to 1 as the whole and partitioning it into b equal parts

The fractonium mine: Which way is out? (5–15 minutes)

Students will determine which of two unit-fractions is the greater, all while collecting clues to unravel the mystery and escape the mind to catch our culprit





Students

Why so serious?



Fractions can be intimidating to new learners so we didn't just make a game, we created an entire world with mystery, puzzles, zombie-monsters, and more! Here are some examples of how we keep students engaged as they learn

A mystery to solve...

Multiple research studies have documented increased student engagement increases when immersed in a rich, game-based learning narrative. This one is quite a mystery, but luckily kids are great problem solvers.

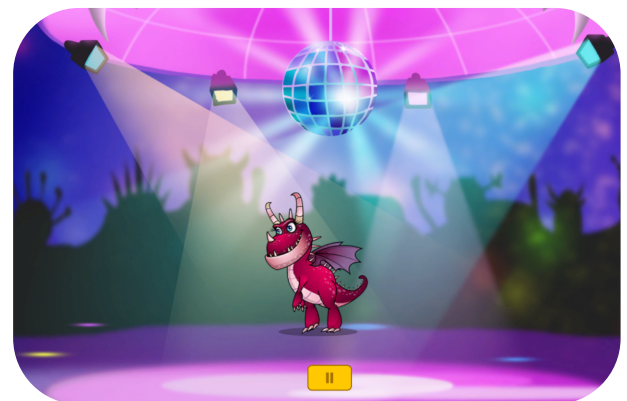


Monsters love bling

As students begin to find and collect monsters, they can use their coins and points to purchase some fun and crazy accessories to customize their clan.

Dance party!

Who doesn't love a good dance party?! If students earn enough 'coin' they can take their monsters to the dancefloor and watch them move to the music.

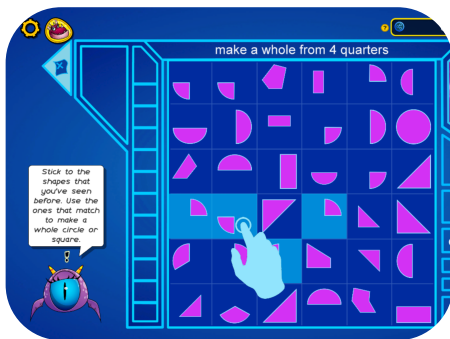




Students

Let the adventure begin

From the Monsters vs. Fractions website tap or click any of the 'Play' buttons. Once the game loads you can enter your name in the box



A helping hand



Throughout the game, our good friend Ada is always a tap away to provide hints, clues and words of encouragement.

Super Sleuth



Look for the backpack icon to view the clues and collectables that you find along the way – these will help you solve the mystery!



Share your winnings



Earn more points by sharing your achievements with friends and family members – then use the points to buy more accessories and dance moves for your monsters.