

Les Fractions

Les Missions de Fractions – Échappez la Classe!

Subject: mathématiques

Grade level: 3ieme annee

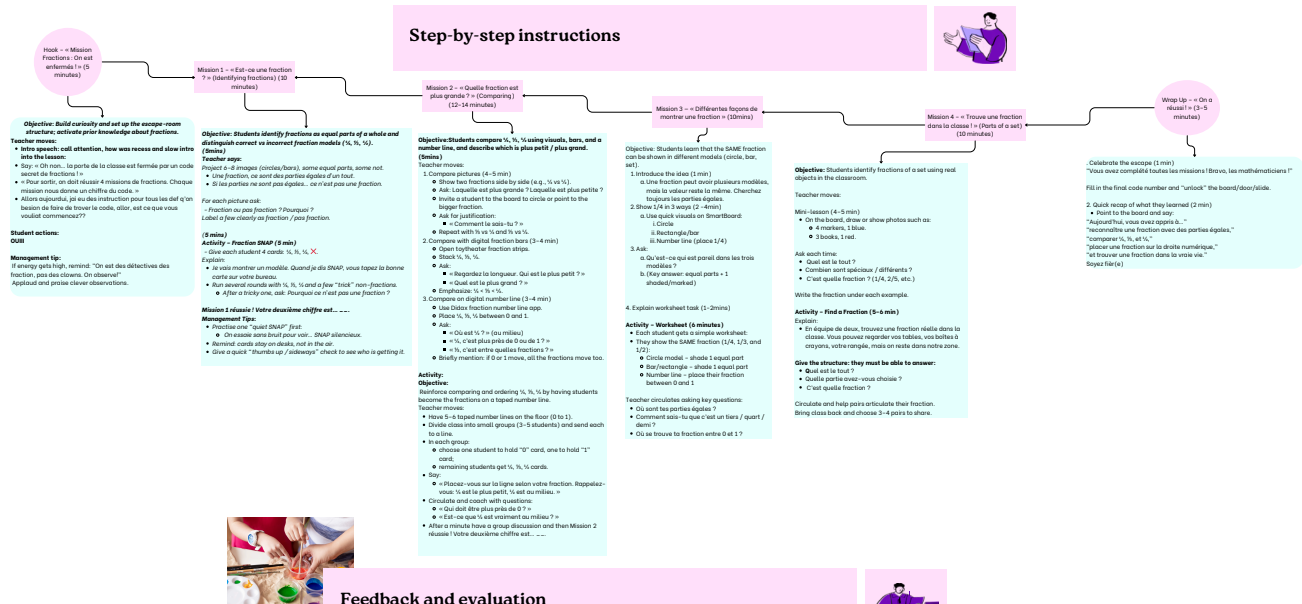
Unit or week: Unité – Fractions, Nombres et Opérations

Activity overview

Students explore fractions through movement, visuals, manipulatives, and real-life examples in a structured “escape room” style lesson. Each concept is introduced through a mini-lesson, followed by a hands-on challenge where students demonstrate their understanding to earn a number for the final “escape code.”

Using guided discovery, repetition, and multiple representations (area, set, and number line models), students will identify fractions, compare them, place them on number lines, and recognize them in the classroom. This lesson emphasizes conceptual understanding, vocabulary development, collaboration, and active participation.

Goals and objectives	Materials needed	Learning considerations
Students are able to: - Demonstrate understanding of equal parts and identify correct vs incorrect fractions. - Compare fractions ($\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$) using pictures, bars, and number lines. - Understand that fractions represent a distance from 0 on a number line. - Place fractions correctly on a number line with appropriate spacing. - Represent fractions as parts of a set in real-life contexts. - Verbally explain their reasoning using fraction vocabulary. - Collaborate respectfully during active tasks. Curriculum Connections: - N3.1: Recognize fractions as equal parts of a whole. - N3.2: Represent $\frac{1}{4}$, $\frac{1}{3}$, and $\frac{1}{2}$ using models. - N3.3: Compare unit fractions. - N3.4: Place fractions on a number line between 0 and 1. - N3.5: Represent fractions as parts of a set. - N3.6: Communicate mathematical thinking.	- Student SNAP cards ($\frac{1}{4}$, $\frac{1}{2}$, $\frac{3}{4}$, $\times$ pas une fraction) - Math manipulatives (cubes, erasers, markers) for sets - Chart paper or SmartBoard for visual comparing - Digital tools: https://topthester.com/fraction-strips/ https://www.dlbox.com/apps/fraction-number-line/ https://en.lockee.fr/v/1B8WKbX - Taped number lines on the floor (5-6) - Whiteboards / clipboards for partner explanations	- Movement breaks built directly into learning tasks → supports ADHD regulation. - Predictable mini-lesson → activity cycle reduces anxiety & supports FI learners. - Multiple representations (area, set, number line) support flexible understanding. - Hands-on tasks support kinesthetic learners & ASD profiles needing tactile learning. - Clear visuals & modeling reduce cognitive load for FI vocabulary demands. - Small-group active tasks limit overstimulation but maintain engagement. - Opportunities for peer explanation support oral language development. - Teacher circulation allows for immediate scaffolding and reteaching. - Safe, structured movement supports students with high energy needs.



Feedback and evaluation

After conducting the activity, take time to reflect on how things worked. Assess if the activity is worth doing or could use some improvements.

What worked	What didn't work	What could be improved
- The use of multiple mini-lessons followed by mini-missions. - Breaking learning into small chunks kept students engaged. - Hands-on and varied representations supported understanding.	- The number line was initially too abstract for students. - Several students struggled to make the connection at first.	- Introduce the number line later in the lesson sequence. - Pair the number line with more concrete and visual supports before independent use.

Further planning

Duplicate your whiteboard to map out more activities or share it in a Canva Doc to create more dynamic, interactive teaching materials.

Next Class Goals:	Next Class Broad Idea:
- You can start by locating "Show thumbnails" at the bottom of the screen. - Hover over the thumbnail of the page you want to duplicate and then click the three dots (...). - Select "Duplicate page" to make copies of your selected whiteboard page.	- In your Canva Doc, click "+" and select Embed. - Paste your whiteboard link into the embed text field. - Alternatively, you can place your cursor where you want to add your whiteboard and paste the link directly.