

# DAIVERSE LEARNING ACTIVITY



## Adventure in the World of Fractions

Explore the concept of fractions in a fun and energetic way

## AUTHOR

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### DAIVERSE FRAMEWORK



[What part(s) of the [Daiverse Framework](#) are covered in the scenario?]

#### AI TEACHING ASSISTANCE

- Learning Styles Diversity
- Linguistic Diversity
- Cultural Diversity

#### AI FOR DIFFERENTIATED INSTRUCTION

- Attention and Concentration Enhancement
- Thinking and Reasoning Enhancement
- Memory Boost

#### AI-DRIVEN ACCESSIBILITY

- Self-regulation Development
- Learning Needs Development
- Speech and Communication Development

### AI EDTECH TOOL



[story.com](#)  
[perplexity.ai](#)  
[magicschool.ai](#)  
[globe.engineer](#)

### AGE GROUP



12 y.

### TIMING of ACTIVITY



2 periods of 45 min.

### OBJECTIVE(S)



- Understand the concept of a fraction as part of a set or whole in a fun and visualised way.
- Gain a positive attitude towards mathematics.
- Develop creativity and critical thinking.

### DESCRIPTION



#### Preparation

1. With the Magicschool.ai choice board tool we get suggestions to support the differentiated teaching of the concept of fractions.
2. We create a comic strip with the tool story.com (we can get many funny ideas from perplexity.ai) [e.g. story: "Fraction Superheroes", Concept: Create a team of superheroes, each representing a different fraction. For example, Captain Half, Lady Quarter, and Sir Whole. Plot: The superheroes team up to save the day by solving problems that involve sharing pizza, cake, or other treats. Each

superhero uses their fraction powers to show how they can combine or divide items among friends.]

3. For the wall: We design a poster explaining what fractions are and their parts.

4. Find and select the appropriate games from Kahoot or Mathgames sites.

5. We create a guide for the topic fraction and for what will follow in the next lessons using explorer.globe.engineer.

### **Introduction** (10min)

We present the concept of fractions and the guide. Students look the parts of a fraction and examples on the classroom poster. They read the comic.

### **Implementation** (30min)

Students describe real situations with fractions They use natural objects such as cardboard, pieces of paper, e.g. paper pizzas, chocolates. Students identify fractions or solve simple problems using quizzes and math games

### **Wrap-Up and Q&A** (5 minutes)

We summarise what we learned, what we saw and answer any questions.

## **ASSESSMENT & FEEDBACK**



Students' products: Students prove their understanding of the concept of fractions by creating their own comic strips. They can get ideas for their stories, enriching them with humorous elements, using the perplexity.ai tool and then using the story.com tool to create the comic strips (45 min).

## **TIPS & RESOURCES**



[Teaching Mathematics through Comic Storytelling](#)

[Use of Comics to enhance 21<sup>st</sup> Century Competencies](#)