

Math Story Problems Come to Life

MATH



Overview

Students create and animate their own word problems, making abstract math concepts concrete and engaging while practicing problem-solving skills.

Steps for Teachers

1. Review the math concept being studied (addition, fractions, multiplication, etc.)
2. Students write an original word problem using real-world scenarios
3. Students identify the mathematical operation needed to solve it
4. Students create characters and a setting that bring the problem to life
5. Students record the problem being presented, then show the solution
6. Students explain their mathematical thinking in the video
7. Classmates try to solve each other's problems before seeing the answer

Example

A student creates a multiplication problem. Character at a bakery: 'I need to buy cupcakes for my class party. There are 6 tables with 4 students at each table. How many cupcakes do I need?' The character thinks: 'I need to multiply 6 times 4.' Shows 6 groups of 4 cupcakes appearing. 'That's 24 cupcakes! But wait—I should get one for the teacher too. 24 plus 1 equals 25 cupcakes!'

Grading Rubric

Criteria	Excellent	Proficient	Developing
Mathematical Accuracy	Problem is correctly set up and solved with clear reasoning	Problem and solution are correct with minor clarity issues	Contains mathematical errors
Real-World Connection	Scenario is realistic and helps visualize the math	Scenario connects to real life adequately	Scenario is contrived or doesn't help understanding
Problem Clarity	Problem is clearly stated with all needed information	Problem is understandable with minor ambiguity	Problem is confusing or missing information
Solution Explanation	Shows and explains the problem-solving process clearly	Shows solution with some explanation	Just gives answer without explanation