

Lesson Plan

Addition up to 5 - Addition Word Problems to 5 - With Pictures

Kindergarten (K) - Math

LEARNING TARGET

- Students will be able to solve addition word problems within 10 using drawings.
- Students will be able to add and subtract within 10 using drawings to represent the problem.
- Students will be able to demonstrate their understanding of the concepts through guided and independent practice.

LEARNING PROGRESSION

PREREQUISITE SKILL

No Prerequisite Skills

EXTENSION SKILL

No Extension Skills

DURATION

- Introduction (5 minutes)
- Instruction (15 minutes)
- Guided Practice (15 minutes)
- Independent Practice (15 minutes)
- Exit Card Formative Assessment (5 minutes)
- Closure (5 minutes)

MATERIALS

- Whiteboard and markers
- Addition and subtraction word problems (printed or written on the board)
- Blank paper for students
- Crayons, colored pencils, or markers for students
- Pre-made examples of addition and subtraction drawings

VOCABULARY

- Addition
- Subtraction
- Word problem
- Drawing
- Equation
- Sum
- Difference

INTRODUCTION

1. Engage students by asking them about situations where they have added or subtracted items in their daily lives (e.g., sharing candies with friends, counting toys, etc.).
2. Introduce the concept of solving addition and subtraction word problems using drawings as a helpful tool.

INSTRUCTION

1. Display a simple addition word problem on the board, and read it aloud to the students.
2. Model the process of solving the word problem by drawing a picture to represent the problem.
3. Explain each step as you draw, and demonstrate how to write the equation and find the sum.
4. Repeat this process for a simple subtraction word problem.
5. Discuss with students the importance of using drawings to help them understand and solve word problems.

GUIDED PRACTICE

1. Divide the students into pairs and provide each pair with an addition or subtraction word problem.
2. Instruct the pairs to work together to create a drawing to represent the word problem, write the equation, and solve it.
3. Circulate around the room to provide support and guidance as needed.

INDEPENDENT PRACTICE

1. Provide each student with a new addition or subtraction word problem.
2. Instruct the students to work independently to create a drawing to represent the word problem, write the equation, and solve it.
3. Monitor students' progress and provide support as needed.

HOMEWORK

1. Assign students a set of addition and subtraction word problems to complete at home.
2. Encourage students to use drawings to represent the problems, write the equations, and solve them.
3. Request that parents or guardians review the completed work and discuss any challenges or successes with their child.

EXIT TICKET

1. Provide each student with a small piece of paper or an index card.
2. Instruct students to write a brief reflection on how using drawings helped them solve addition and subtraction word problems during the lesson.

SUMMATIVE

1. Formative assessments will be conducted during the lesson to monitor students' understanding of solving addition and subtraction word problems using drawings.
2. Exit card reflections and progress monitoring assessments will be used to determine students' mastery of the concepts and skills.

CLOSING

1. Invite students to share their favorite part of using drawings to solve word problems.
2. Review the importance of using drawings as a tool for understanding and solving addition and subtraction word problems.
3. Encourage students to practice using drawings to solve word problems outside of the classroom.

TEACHING TIPS

1. Use real-life examples to make word problems relatable and engaging for students.
2. Encourage peer collaboration during guided practice to promote a supportive learning environment.
3. Reinforce the importance of clear and organized drawings to accurately represent word problems.

MISCONCEPTIONS

1. Students may think that solving word problems only involves counting objects, without considering the context of the problem.
2. Students may struggle to understand the difference between addition and subtraction within the context of a word problem.
3. Students may assume that the order of numbers in a problem is irrelevant, leading to incorrect equations and solutions.

EXTENSION

1. Students can explore more complex addition and subtraction word problems involving numbers up to 20.
2. Students can practice solving word problems using other strategies, such as using manipulatives or mental math.
3. Students can create their own addition and subtraction word problems and exchange them with classmates for solving.

INTERVENTION

1. For students who struggle with fine motor skills, provide alternative drawing tools (e.g., thicker markers, adapted writing utensils) to make drawing easier.
2. For students who need extra support, offer additional one-on-one or small group instruction to reinforce the concept of using drawings to solve word problems.
3. For students who may benefit from visual aids, provide pre-made examples of addition and subtraction drawings to use as a reference during independent practice.

COMMON CORE STANDARD

K.OA.A.2 - Solve addition and subtraction word problems, and add and subtract within 10, e.g., by using objects or drawings to represent the problem.

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