

Lesson Plan

Addition up to 10 - Drawing Addition Models to 10

Kindergarten (K) - Math

LEARNING TARGET

- Students will be able to represent addition with objects, fingers, mental images, drawings, or equations.
- Students will be able to draw addition models up to 10 using pictures and equations.

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
- Pictures of objects such as apples, balloons, or flowers
- Unifix cubes or connecting cubes
- Pencils
- Paper

VOCABULARY

- Addition
- Equation
- Plus
- Set
- Total

INTRODUCTION

1. Display pictures of objects such as apples, balloons, or flowers.
2. Ask students how many objects they see in each picture.
3. Use the concept of addition to add the objects in each picture, and write the equation on the board.

INSTRUCTION

1. Review the concept of addition by using fingers to represent numbers up to 5.
2. Demonstrate how to draw addition models up to 5 using pictures and equations.
3. Model drawing addition models up to 10 using pictures and equations.

GUIDED PRACTICE

1. Divide the students into small groups and provide each group with pictures of objects and unifix cubes.
2. Instruct the students to work together to create addition models up to 5 and up to 10 using pictures and equations.
3. Circulate around the room to provide support and guidance as needed.

INDEPENDENT PRACTICE

1. Instruct students to work independently to create their own addition models up to 10 using pictures and equations.
2. Provide students with paper and pencils to draw their models.
3. Monitor students' progress and provide support as needed.

HOMEWORK

1. Assign students to create addition models up to 10 using pictures and equations at home with their families.

EXIT TICKET

1. Provide each student with a whiteboard and marker or exit card sheet.
2. Instruct students to draw an addition model up to 10 using pictures and write the corresponding equation.

SUMMATIVE

1. Ask students to share their addition models and equations with the class.
2. Review the models and equations to determine students' mastery of the concept.

CLOSING

1. Ask students to share one thing they learned about addition models today, and write their responses on the board.
2. Review the importance of being able to represent addition in different ways by asking students why it is important to be able to do so.
3. Highlight how different people may use different methods to solve addition problems, and how being able to represent addition in different ways helps us to communicate our understanding with others.
4. Encourage students to continue practicing drawing addition models and using different methods to represent addition, so that they can build a strong foundation for their future math learning.
- 5.

TEACHING TIPS

1. Use a variety of visual aids and manipulatives to help students understand addition.
2. Encourage students to explain their thinking and reasoning when solving addition problems.
3. Provide opportunities for students to work collaboratively and share their strategies with each other.

MISCONCEPTIONS

1. Counting fingers or objects may not be accurate or efficient for larger numbers.
2. Students may struggle to connect addition models with written equations.
3. Some students may not fully understand the concept of addition and may need additional support to build a strong foundation.

EXTENSION

1. Students can draw addition models up to 20 or higher.
2. Students can use different materials such as counters or beads to represent addition models.
3. Students can work on subtraction models using the same concept.

INTERVENTION

1. Provide manipulatives such as larger and easier to grasp cubes or objects for students who struggle with fine motor skills.
2. Provide additional visual aids or diagrams to help students who need extra support in understanding the concept of addition.

COMMON CORE STANDARD

K.OA.A.1 Part 1 - Represent addition with objects, fingers, mental images, drawings, sounds (e.g., claps), acting out situations, verbal explanations, expressions, or equations.

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