Lesson Plan

Addition up to 10 - Completing Addition Sentences to Make Ten

Kindergarten (K) - Math

LEARNING TARGET

- Students will be able to identify and name numbers up to 10.
- Students will be able to add two numbers up to 10.
- Students will be able to find the missing addend to solve addition sentences to 10.

LEARNING PROGRESSION

PREREQUISITE SKILL

EXTENSION SKILL

No Prerequisite Skills

No Extension Skills

DURATION MATERIALS VOCABULARY

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

- 10 frames
- Counters
- Whiteboard and markers
- Lesson Worksheet Pack
- - NumberAddition
 - Addend
 - Total Missing

INTRODUCTION

- 1. Review the concept of addition and ask students to share examples of addition sentences.
- 2. Introduce the idea of finding the missing addend in addition sentences.
- 3. Display a sample addition sentence (e.g., 3 + ___ = 10) and ask students to identify the missing addend.

INSTRUCTION

- 1. Explain to students that when they see an addition sentence with a missing addend, they can use a 10 frame and counters to help them find the missing addend.
- 2. Model how to use a 10 frame and counters to solve an addition sentence with a missing addend.
- 3. Provide additional examples and practice with the class.

GUIDED PRACTICE

- 1. Divide the students into small groups and provide each group with a 10 frame and counters.
- 2. Instruct the students to work together to solve addition sentences with missing addends up to 10.
- 3. Circulate around the room to provide support and guidance as needed.

INDEPENDENT PRACTICE

- 1. Instruct students to work independently to solve addition sentences with missing addends up to 10 using a 10 frame and counters.
- 2. Monitor students' progress and provide support as needed.

HOMEWORK

- 1. Provide students with a worksheet that includes addition sentences with missing addends up to 10.
- 2. Instruct students to use a 10 frame and counters to solve the addition sentences and find the missing addend.
- 3. Encourage students to practice solving addition sentences with missing addends at home using the same method they learned in class.

Note: Homework should be optional and not graded. It is important to provide a balance between schoolwork and home life, and to ensure that students have enough time to rest and engage in other activities.

EXIT TICKET

- 1. Provide each student with a whiteboard and marker.
- 2. Instruct students to write an addition sentence with a missing addend and solve it using a 10 frame and counters.

SUMMATIVE

- 1. Formative assessments will be conducted during the lesson to monitor students' understanding of identifying and solving addition sentences with missing addends.
- 2. The exit ticket and progress monitoring assessments will be used to determine students' mastery of finding the missing addend in addition sentences to 10.

CLOSING

- 1. Review the concept of finding the missing addend in addition sentences.
- 2. Ask students to share one new thing they learned about finding the missing addend today.
- 3. Encourage students to continue practicing finding the missing addend in addition sentences to build a strong foundation for their future math learning.

TEACHING TIPS

- 1. Use concrete manipulatives, such as counters or linking cubes, to help students visualize addition and find the missing addend.
- 2. Provide plenty of opportunities for students to practice solving addition sentences with missing addends, both in class and at home.
- 3. Encourage students to explain their thinking and reasoning when solving addition sentences, and provide opportunities for class discussions to help reinforce their understanding.

MISCONCEPTIONS

- 1. Students may struggle with identifying the missing addend in addition sentences and may need additional practice with visual aids.
- 2. Students may have difficulty with counting and identifying numbers, so additional practice with counting activities can be helpful.
- 3. Some students may rely too heavily on memorization rather than understanding the concept of addition, so it is important to provide opportunities for problem-solving and critical thinking.

EXTENSION

- 1. Students can practice finding the missing addend in addition sentences up to 20.
- 2. Students can practice using different manipulatives, such as linking cubes or snap cubes, to solve addition sentences with missing addends.

INTERVENTION

- 1. For students who struggle with counting or identifying numbers, additional practice with counting activities can be provided.
- 2. For students who need extra support, a visual aid or diagram can be provided to help them understand the concept of finding the missing addend in addition sentences.

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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