

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

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

- 10 frames
- Counters
- Whiteboard and markers
- Lesson Worksheet Pack

VOCABULARY

- Number
- Addition
- 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., $3 + \underline{\quad} = 10$) 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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