

# Lesson Plan

## Addition up to 10 - Words to addition sentences

Kindergarten (K) - Math

### LEARNING TARGET

- Students will be able to read and understand addition word problems.
- Students will be able to write addition sentences to match the word problems.
- Students will be able to solve addition problems within 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

- Whiteboard and markers
- Word problem cards
- Picture cards
- Unifix cubes or connecting cubes
- Worksheet pack

#### VOCABULARY

- Addition
- Plus
- Equals
- Number
- Word problem
- Picture representation

### INTRODUCTION

1. Review the concept of addition with the students by using manipulatives to create simple addition problems such as  $2 + 2 = 4$ .
2. Introduce the vocabulary words for the lesson: addition, add, plus, total, more, together.

### INSTRUCTION

1. Display an addition word problem card and read it aloud to the students.
2. Model how to write an addition sentence that matches the word problem, such as  $2 + 1 = 3$ .
3. Explain to the students that the plus sign means "and," and the equal sign means "the answer is."
4. Repeat this process with a few more word problem cards, making sure to model how to read the word problem and write the addition sentence.

## **GUIDED PRACTICE**

1. Divide the students into small groups and provide each group with a set of addition word problem cards and number sentence strips.
2. Instruct the students to work together to read each word problem, write an addition sentence to match, and then solve the problem using manipulatives.
3. Circulate around the room to provide support and guidance as needed.

## **INDEPENDENT PRACTICE**

1. Instruct students to work independently to complete the addition word problem worksheet, reading each problem, writing the addition sentence to match, and then solving the problem using manipulatives.
2. Monitor students' progress and provide support as needed.

## **HOMEWORK**

Homework is not practiced in all schools. In this curriculum, homework is used for additional practice from daily lessons. Assignment of homework should be done on a case-by-case basis and working in conjunction with the student's home support team.

## **EXIT TICKET**

1. Provide each student with a whiteboard and marker.
2. Display an addition word problem card and instruct students to write the addition sentence to match the problem.
3. Collect the whiteboards to assess students' understanding.

## **SUMMATIVE**

1. The exit ticket and progress monitoring assessments will be used to determine students' mastery of reading and writing addition word problems and solving addition problems within 10.

## **CLOSING**

1. Review the vocabulary words for the lesson and have students repeat them.
2. Ask students to share one thing they learned about addition word problems today, and write their responses on the board.
3. Encourage students to continue practicing reading and writing addition word problems and solving addition problems using manipulatives.

## **TEACHING TIPS**

1. Use manipulatives and visual aids to help students understand addition concepts.
2. Encourage students to explain their thinking and share their strategies with their peers.
3. Differentiate instruction to meet the needs of all learners, including those who need extra support or challenge.

## **MISCONCEPTIONS**

1. Misunderstanding the meaning of the plus sign in addition problems.
2. Difficulty visualizing addition problems and using manipulatives to solve them.
3. Confusion between addition and subtraction, and between sums and differences.

## **EXTENSION**

1. Introduce the concept of regrouping or carrying over in addition. Provide word problems with two-digit numbers and encourage students to use manipulatives or a number line to solve the problems, including those that require regrouping.
2. Introduce the concept of subtraction by providing word problems that involve finding the difference between two sets. Encourage students to use manipulatives or a number line to solve the problems.
3. Encourage students to create their own addition word problems with larger numbers or multiple addends and exchange them with a partner to solve.

## **INTERVENTION**

1. For students who struggle with reading, provide picture cues or visual aids to help them understand the word problems.
2. For students who need extra support, provide additional practice with manipulatives and number lines to build their understanding of addition. Offer one-on-one or small group instruction as needed to ensure mastery of the concept.
3. For students who struggle with writing addition sentences, provide sentence starters or visual aids to help them organize their thoughts and write the equation correctly. Encourage them to use manipulatives or draw pictures to help them understand the problem.

## **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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