

# Lesson Plan

## Understand addition - Addition with Cubes

First (1) - Math

### LEARNING TARGET

- Students will be able to use addition stories to solve addition problems with sums up to 10.
- Students will be able to use connecting cubes to model and solve addition problems with sums up 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

- Connecting cubes (at least 50)
- Whiteboard and markers
- Addition story cards
- [Worksheet pack](#)

#### VOCABULARY

- Addition
- Sum
- Plus
- Put together
- Addend
- Total

### INTRODUCTION

1. Review what addition means and what the plus sign (+) represents.
2. Explain to students that today, they will be learning how to use addition stories and connecting cubes to solve addition problems.
3. Show examples of addition stories and explain how they help us understand addition problems better.

### INSTRUCTION

1. Introduce the concept of addition stories and provide examples.
2. Model how to use connecting cubes to represent addition problems with sums up to 10.
3. Show students how to write a number sentence to represent the problem.
4. Provide examples of addition problems and have students create addition stories to solve them.

## **GUIDED PRACTICE**

1. Provide addition story cards to small groups of students.
2. Have students work together to use connecting cubes to model and solve the addition problems on their cards.
3. Encourage students to write a number sentence to represent each problem.
4. Circulate around the room to provide support and guidance as needed.

## **INDEPENDENT PRACTICE**

1. Provide each student with an addition worksheet pack.
2. Instruct students to complete the worksheets independently, using connecting cubes to model and solve the problems.
3. Encourage students to write a number sentence to represent each problem.
4. Circulate around the room to provide support and guidance as needed.

## **HOMEWORK**

1. Ask students to create their own addition stories and draw a picture to represent them.
2. Encourage students to share their stories with the class the next day.

## **EXIT TICKET**

1. Provide each student with a whiteboard and marker.
2. Instruct students to write a number sentence that represents an addition problem with a sum up to 10.

## **SUMMATIVE**

1. Ask students to share one addition story they created and how they solved the problem.
2. Use their responses to assess their understanding of addition stories and using connecting cubes to solve addition problems.

## **CLOSING**

1. Review with students what they learned about using addition stories and connecting cubes to solve addition problems with sums up to 10.
2. Encourage students to continue practicing addition problems with connecting cubes and addition stories to improve their understanding and proficiency.

## **TEACHING TIPS**

- Use visual aids, such as addition story cards and connecting cubes, to help students better understand the concept of addition.
- Encourage students to explain their thinking and reasoning when solving addition problems to promote deeper understanding.
- Provide opportunities for independent practice and group work to allow students to apply their learning in different contexts.

## **MISCONCEPTIONS**

- Students may confuse the concepts of addition and subtraction, leading to errors in problem-solving.
- Students may struggle to understand the concept of "putting together" in addition problems.
- Students may struggle to recognize the relationship between addition problems and number sentences.

## **EXTENSION**

1. Students can practice solving addition problems with larger numbers using connecting cubes.
2. Students can create their own addition story cards and exchange them with classmates to solve.
3. Students can create addition problems for classmates to solve using connecting cubes and addition stories.

## **INTERVENTION**

1. For students who struggle with fine motor skills, larger and easier to grasp manipulatives can be used.
2. For students who need extra support, visual aids or diagrams can be provided to help them understand the concept of addition stories and using connecting cubes to solve addition problems.

## **COMMON CORE STANDARD**

1.OA.A.1 - Use addition and subtraction within 20 to solve word problems involving situations of adding to, taking from, putting together, taking apart, and comparing, with unknowns in all positions, e.g., by using objects, drawings, and equations with a symbol for the unknown number to represent the problem.

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