

Lesson Plan

Addition - Making Numbers to 10 - Finding Patterns

First (1) - Math

LEARNING TARGET

- Students will be able to read a table of addition sentences that all add to the same number.
- Students will be able to identify the addition pattern in the table.
- Students will be able to create additional ways to get the same answer with different addition sentences.

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

- Addition table worksheet (one per student)
- Whiteboard and markers
- Counters or manipulatives (optional)

VOCABULARY

- Addition
- Sum
- Pattern
- Equation

INTRODUCTION

1. Review with students what addition means and what the plus sign (+) represents.
2. Explain that we will be learning how to read a table of addition sentences.
3. Show an example of an addition sentence, such as " $2 + 3 = 5$," and explain that it means we start with 2 and add 3 more, giving us a total of 5.

INSTRUCTION

1. Show students an addition table with a row of numbers that all add up to the same sum, such as:

$$1 + 4 = 5$$

$$2 + 3 = 5$$

$$4 + 1 = 5$$

2. Explain that all of the numbers in the row add up to the same sum (in this case, 5).
3. Model how to identify the pattern in the addition table (in this case, the numbers in each equation add to 5).
4. Model how to create additional equations that add up to the same sum, such as "3 + 2 = 5."

GUIDED PRACTICE

1. Provide students with an addition table worksheet.
2. Work through the table together as a class, identifying the sum and the pattern.
3. Have students create additional equations that add up to the same sum.

INDEPENDENT PRACTICE

1. Have students work independently on the addition table worksheet.
2. Circulate around the room to provide support and guidance as needed.

HOMEWORK

1. Have students find an addition table in a book or online and identify the sum and pattern.
2. Encourage students to create additional equations that add up to the same sum, if possible.

EXIT TICKET

1. Provide each student with a whiteboard and marker.
2. Instruct students to write an addition equation that adds up to the same sum as the given equation.

SUMMATIVE

1. Ask students to share one addition equation they created that adds up to the same sum as the given table.
2. Use their responses to assess their understanding of reading and creating addition tables.

CLOSING

1. Review with students what they learned about reading addition tables and creating additional equations.
2. Encourage students to practice identifying patterns in addition tables and creating their own equations.

TEACHING TIPS

- Use manipulatives such as counters or cubes to help students visualize addition equations.
- Encourage students to create their own addition tables with different sums and patterns.
- Provide opportunities for students to explain their thinking and problem-solving strategies.

MISCONCEPTIONS

- Students may struggle with the concept of addition and what the plus sign represents.
- Students may struggle with identifying patterns in the addition tables.
- Students may not understand how to create additional equations that add up to the same sum.

EXTENSION

1. Students can create their own addition tables with different sums and patterns.
2. Students can solve addition problems using the patterns they identified in the tables.

INTERVENTION

1. For students who struggle with addition, manipulatives such as counters or cubes can be used to represent the numbers.
2. For students who need extra support, a smaller addition table with fewer equations can be used to help them focus on the concept.

COMMON CORE STANDARD

1.OA.C.6 - Add and subtract within 20, demonstrating fluency for addition and subtraction within 10. Use strategies such as counting on; making ten; decomposing a number leading to a ten; using the relationship between addition and subtraction.

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