

Lesson Plan

Addition up to 5 - Find The Missing Addend

Kindergarten (K) - Math

LEARNING TARGET

- Students will be able to identify missing addends in addition sentences.
- Students will be able to solve for the missing addend using various strategies.

LEARNING PROGRESSION

PREREQUISITE SKILL

Addition up to 5 - Addition Find Ways To Make a Number

EXTENSION SKILL

Addition up to 10 - Completing Addition Sentences

DURATION

- 8 min Guided Practice
- 20 min Independent Practice
- 7 min Exit Ticket

MATERIALS

- Whiteboard or chart paper
- Markers
- Counting manipulatives (e.g. blocks, cubes)
- Guided practice worksheet
- Independent practice worksheet
- Exit card printable worksheet

VOCABULARY

- Addend
- Sum
- Plus sign (+)
- Equal sign (=)

INTRODUCTION

INSTRUCTION

GUIDED PRACTICE

1. Use the whiteboard or chart paper to model identifying a missing addend in an addition sentence.
2. Show different strategies for solving for the missing addend, such as counting on from the known number or subtracting the known number from the sum.
3. Provide examples of both correct and incorrect solutions to help students understand common misconceptions when solving for a missing addend.
4. Give each student a copy of a guided practice worksheet that requires them to find the missing addends in various addition sentences.
5. Walk around the room and support misconceptions as needed, ensuring every student correctly identifies their solution strategy & finds the correct answer(s).

INDEPENDENT PRACTICE

1. Distribute additional worksheets that require students to practice finding their own solutions independently.
2. Allow students time to complete their worksheets on their own while providing support as needed based on individual student needs & level of understanding.

HOMEWORK

While not all schools require homework, our curriculum provides optional worksheets for students to practice and reinforce skills learned in daily lessons.

Specifically, students can be assigned individualized homework worksheets to find a missing addend in an addition sentence tailored to their needs. This additional practice will help solidify their understanding of the material covered in class.

EXIT TICKET

1. Distribute exit card printable worksheets with questions such as "What did you learn today about finding a missing addend?" or "What was challenging for you during this lesson?"
2. Have students complete these worksheets individually before leaving class.
3. Collect these exit cards as a formative assessment tool for gauging student understanding of key concepts covered in class.

SUMMATIVE

Before administering an assessment on finding a missing addend, reviewing all formative assessment data is important to ensure student readiness.

CLOSING

1. Summarize key concepts learned during the lesson, including identifying missing addends and solving using the above strategies.
2. Ask if any questions are remaining.
3. Give verbal feedback throughout the lesson & closure section to summarize key concepts & answer remaining questions.

Reflect on areas where individual students may need more support based on observations made during instruction & guided/independent practices. Use insights from exit tickets to tailor future instruction towards areas where individual students may need more support.

TEACHING TIPS

1. Begin by reviewing addition sentences with students, such as $2 + 3 = 5$ and $4 + 1 = 5$.
2. Explain that sometimes one of the numbers is missing from the equation, and we need to figure out what it is.
3. Introduce the term "missing addend" and explain that this means one of the numbers is missing from the equation.

Extensions: For advanced learners, challenge them by using larger numbers or introducing multiple missing addends in an equation.

Intervention: If a student has difficulty finding missing addends in an addition sentence, providing extra support during independent practice using manipulatives such as counting objects can be beneficial. These manipulatives provide hands-on and visual learning connections that help the student understand how to find missing addends in an addition sentence by creating physical relationships between the numbers.

MISCONCEPTIONS

Review common mistakes made while solving a missing addend, like adding instead of subtracting where necessary or not starting with the known number before subtracting.

Provide additional examples to reinforce understanding while explaining why certain answers are incorrect & how they can be corrected.

EXTENSION

INTERVENTION

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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