

Lesson Plan

Subtraction - one digit - Find Missing Numbers up to 18

Second (2) - Math

LEARNING TARGET

- Students will be able to solve subtraction problems with missing subtrahends up to 18.
- Students will be able to use the inverse operation of addition to check their answers.
- Students will be able to explain their problem-solving strategies.

LEARNING PROGRESSION

PREREQUISITE SKILL

Subtraction - one digit - Subtract 1 digit from a 2 digit number

EXTENSION SKILL

No Extension Skills

DURATION

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

MATERIALS

- Whiteboard and markers
- Index cards with subtraction problems (e.g. $10 - \underline{\quad} = 6$)
- Manipulatives (e.g. counting cubes, ten frames, number lines)
- Worksheets with subtraction problems and missing subtrahends

VOCABULARY

- Subtraction
- Minuend
- Subtrahend
- Difference
- Inverse operation

INTRODUCTION

1. Review with students what subtraction means and how to subtract using manipulatives.
2. Explain to students that sometimes we don't know one of the numbers we need to subtract, and that's called a missing subtrahend.
3. Show an example of a subtraction problem with a missing subtrahend, such as " $10 - \underline{\quad} = 6$."
4. Ask students how they would figure out what number is missing. Encourage them to discuss with a partner or in small groups.

INSTRUCTION

1. Model how to solve a subtraction problem with a missing subtrahend using manipulatives and the inverse operation of addition.
2. Show an example of a problem with manipulatives, such as using 10 cubes and taking away 6 to find the missing subtrahend of 4.
3. Write the problem on the whiteboard and show how to use the inverse operation of addition to check the answer: $4 + 6 = 10$.
4. Provide additional examples as needed, using different manipulatives and problem types.

GUIDED PRACTICE

1. Distribute a worksheet with subtraction problems with missing subtrahends to each student.
2. Have students work in pairs to solve the problems using manipulatives and the inverse operation of addition to check their answers.
3. Circulate around the room to provide support and guidance as needed.

INDEPENDENT PRACTICE

1. Provide students with a worksheet containing subtraction problems with missing subtrahends.
2. Instruct students to solve the problems independently using manipulatives and the inverse operation of addition to check their answers.
3. Circulate around the room to provide support and guidance as needed.

HOMEWORK

1. Provide students with a worksheet of subtraction problems with missing subtrahends to complete for homework.
2. Encourage students to use manipulatives and the inverse operation of addition to check their answers.
3. Remind students to bring their homework back to class to share with their classmates, but do not grade the homework.

EXIT TICKET

1. Provide each student with an exit card with a subtraction problem with a missing subtrahend.
2. Instruct students to solve the problem and write down their answer and problem-solving strategy.

SUMMATIVE

1. Ask students to share their answers and problem-solving strategies for one of the problems from the independent practice worksheet.
2. Use their responses to assess their understanding of solving subtraction problems with missing subtrahends.

CLOSING

1. Review with students what they learned about solving subtraction problems with missing subtrahends and how to use the inverse operation of addition to check their answers.
2. Encourage students to continue practicing solving subtraction problems with missing subtrahends using manipulatives and the inverse operation of addition.

TEACHING TIPS

- Use a variety of manipulatives to help students visualize and solve the problems.
- Encourage students to explain their problem-solving strategies to develop their mathematical reasoning skills.
- Provide opportunities for collaboration and discussion to foster a deeper understanding of the concepts.

MISCONCEPTIONS

- Students may struggle with understanding the concept of missing subtrahends.
- Some students may find it challenging to use the inverse operation of addition to check their answers.
- Students may make errors in subtraction due to difficulties with regrouping or borrowing.

EXTENSION

1. For students who have mastered solving subtraction problems with missing subtrahends, provide more challenging problems with larger numbers or multiple missing subtrahends.
2. Encourage students to explain their problem-solving strategies and to work collaboratively to solve problems.
3. Introduce related concepts such as regrouping or multi-step word problems.

INTERVENTION

1. Provide additional manipulatives and visual aids to support students who need more hands-on practice.
2. Break down the steps of problem-solving and provide additional practice problems with scaffolding.
3. Offer small group or one-on-one instruction to provide individualized support and to address specific areas of difficulty.

COMMON CORE STANDARD

2.OA.B.2 - Fluently add and subtract within 20 using mental strategies.

Terms of Use

Thank you for purchasing our digital download teaching resources. Before using these materials, please review the following information:

Permitted Use: You are granted a non-exclusive, non-transferable, revocable license to use these materials only for personal or classroom use. You may print and make copies of these materials for use in your classroom or for your personal use. You may also share digital copies with your students or colleagues for instructional purposes only.

Prohibited Use: You are not authorized to give, sell, or distribute these materials to others or post them on any public forum or website. You may not modify or create derivative works based on these materials. You may not use these materials for commercial purposes or financial gain, including but not limited to selling, renting, or licensing the materials. You may not remove or alter any copyright notices, trademarks, or other proprietary rights in these materials.

Intellectual Property: All materials are protected by intellectual property laws, including but not limited to copyright and trademark laws. The content and design of these materials are the property of TeachTastic LLC. Any unauthorized use or reproduction of these materials is strictly prohibited.

Disclaimer: These materials are provided “as is” without warranty of any kind, either express or implied, including but not limited to the implied warranties of merchantability and fitness for a particular purpose. TeachTastic LLC does not guarantee that the materials will meet your requirements or be error-free.

Limitation of Liability: In no event shall TeachTastic LLC be liable for any direct, indirect, incidental, special, or consequential damages arising out of or in connection with the use or inability to use these materials, even if TeachTastic LLC has been advised of the possibility of such damages.

Contact Us: If you have any questions or concerns regarding this or any other TeachTastic LLC product, please contact us at webmaster@teachtasticiep.com before leaving feedback.

By purchasing and using these digital download teaching resources, you agree to abide by these terms.