Lesson Plan

Counting and numbers - Counting on Number Lines Up to 100

First (1) - Math

LEARNING TARGET

- Students will be able to identify numbers on a number line up to 100.
- Students will be able to count forwards and backward on a number line up to 100.

LEARNING PROGRESSION

PREREQUISITE SKILL

Counting and numbers - Counting Forward Up to 120

EXTENSION SKILL

Counting and numbers - Counting on Number Lines to 120

DURATION

- Introduction (5 minutes)
- Instruction (15 minutes)
- Guided Practice (15 minutes)
- Misconception Review (5 minutes)
- Independent Practice (15 minutes)
- Exit Card Formative Assessment (5 minutes)

INTRODUCTION

- 1. Begin by introducing the number line to students, and explain what it is used for.
- 2. Show students a large number line chart (0-100) and point out some of the numbers.
- 3. Ask students if they have used a number line before, and if so, when and how.

INSTRUCTION

- 1. Review the concept of counting and counting by ones with students.
- 2. Demonstrate how to count on a number line by starting at a given number and counting forward or backward.
- 3. Use the large number line chart to model counting forward and backward by ones, with the help of counters or small objects.
- 4. Draw the pattern on the whiteboard and ask students to identify it.

• Large number line chart (0-100)

- Individual number line worksheets
- Counters or small objects
- Pencils

MATERIALS

 Whiteboard and markers (for teacher use)

VOCABULARY

- Number line
- Count
- Forward
- Backward
- Pattern

GUIDED PRACTICE

- 1. Distribute individual number line worksheets to each student.
- 2. Instruct students to practice counting forward and backward by ones on their individual number line worksheets.
- 3. Provide students with a pattern and ask them to continue the pattern on their individual number line worksheets.
- 4. Walk around the classroom to check for understanding and offer assistance where needed.

INDEPENDENT PRACTICE

- 1. Instruct students to complete a set of counting exercises on their own, using their individual number line worksheets.
- 2. Provide a set of patterns for students to continue on their individual number line worksheets.
- 3. Offer assistance to students who are struggling, but encourage independent practice as much as possible.

HOMEWORK

- 1. Assign students to practice counting on a number line to 100 at home.
- 2. Provide a printable number line worksheet for students to practice with.

EXIT TICKET

- 1. Give each student an exit card and ask them to write down one thing they learned about counting on a number line today.
- 2. Collect the exit cards and use them to assess student learning.

SUMMATIVE

- 1. Exit Card Formative Assessment
- 2. Progress Monitoring Formative Assessment
- 3. Summative Assessment 10 question worksheet 8/10 for mastery

CLOSING

- 1. Review the lesson objectives with students.
- 2. Encourage students to practice counting on a number line at home and to seek help if needed.

TEACHING TIPS

To make the lesson more interactive and engaging, consider using visual aids and manipulatives, such as counters or small objects, to demonstrate counting on a number line. You can also incorporate movement into the lesson by having students physically move along the number line to reinforce counting skills.

MISCONCEPTIONS

One common misconception that students may have is that the distance between numbers on a number line is always the same. To address this misconception, use the large number line chart to demonstrate that the distance between numbers can vary based on the scale of the number line.

EXTENSION

For students who have mastered counting on a number line to 100, consider extending the lesson by introducing skip counting or counting by twos, fives, and tens on the number line. You can also challenge students to create their own patterns on the number line.

INTERVENTION

For students who are struggling with counting on a number line, provide additional support and scaffolding, such as highlighting the numbers that they need to count or breaking the number line down into smaller sections. Consider providing individualized instruction and frequent opportunities for practice to help these students master the skill.

COMMON CORE STANDARD

1.NBT.A.1 - Count to 120, starting at any number less than 120. In this range, read and write numerals and represent a number of objects with a written numeral.

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.