

Plan a lesson for a Y4 class about short division with 3 digit numbers.

Lesson plan:

Objective:

By the end of the lesson, students will be able to use short division to divide a 3-digit number by a single-digit number.

Materials:

Whiteboard and markers, worksheets/notebooks, multiplication table, manipulatives (optional).

Step 1: Introduction (5 minutes)

- Ask the students if they know what division is.
- Explain that division is splitting a quantity into equal parts. For example, if you have 8 cookies, you can divide them into 4 equal parts: $8 \div 4 = 2$
- Emphasize that today we will be learning how to do short division with 3-digit numbers.

Step 2: Modeling (15 minutes)

- Demonstrate the process of dividing a 3-digit number by a single-digit number.
- Break the problem down step-by-step as you work through it on the whiteboard.
- Have the students follow along with their worksheets and/or notebooks so they can take notes.
- Once you have completed the example, have the students practice the problem and call on a few different students to demonstrate that they understand the process.

Step 3: Guided Practice (10 minutes)

- Give the students some additional problems to work on, either individually or in pairs.
- Provide support as needed, either through individual questioning or by referring the class back to the modeled problem.
- Have the students work through the problems, and ask for volunteers to explain the method they used to solve them.

Step 4: Independent Practice (10 minutes)

- Give the students a worksheet that requires them to practice short division with 3-digit numbers.

- Provide help as needed, but allow the students to work through the problems independently.
- Encourage the students to think back to the modeling and demonstration from the beginning of the lesson to help them work through the problems.

Step 5: Closure (5 minutes)

- Ask the students if they have any questions or comments.
- Make sure they understand the concept of dividing 3-digit numbers by single-digit numbers.
- Ask the students to share what they have learned with one another.
- Summarize the lesson and explain that they will have more practice with this skill in the near future.