Session 11: Division

Session Title	Division
Objective	By the end of this session, students will be able to: 1. Understand the concept of division as equal sharing and repeated subtraction. 2. Solve division problems using practical and engaging activities. 3. Develop problem-solving, logical thinking, and teamwork skills
Topics	1. Understanding division as equal sharing 2. Solving division problems using a number line
Material Required	1. Chalk & Board 2. Small objects like beads, pebbles, or paper cut-outs 3. Number cards with division problems 4. Hula hoops or bowls for grouping activities
Methodology	1. Game-Based Learning: Learning through fun and interactive activities. 2. Experiential Learning: Relating division to real-life situations for better understanding.
Session Duration	90 minutes

Introduction Activity (30 minutes):

Game Time : "Pass the Share" (15 Minutes)

How to Play:

1. Arrange students in small groups (4–5 students per group).
2. Give each group a set of 20 objects (like pebbles or buttons).
3. Call out a number and ask students to divide the objects among their group members.
4. Students must distribute the objects fairly and announce how many each person gets
5. If there are leftover objects (remainders), they must explain what to do with them.

What is Division? (15 minutes)

- Division is a mathematical operation used to split a number into equal groups or find how many times one number fits into another.
- It is the opposite of multiplication.

Explain with Real-Life Example: If we have 12 apples and we want to share them equally among 4 friends, each friend will get 3 apples (12 ÷ 4 = 3).

Main activity (40 minutes):

How to play (30 minutes)

1. Set up

- Divide students into two or more teams.
- Each team forms a straight line.
- Place a set of division problem flashcards (e.g., "20 ÷ 5", "15 ÷ 3") in a basket at the front.

2. Game Rules

- The first player from each team runs to the basket, picks a flashcard, and reads the problem aloud.
- They solve the problem on the board (or on a sheet of paper).
- Once the teacher verifies the answer, they run back and tag the next teammate.
- The next player repeats the process.

3. Winning criteria

The team that correctly solves the most division problems within the time limit wins.

Demo time- word problems (10 minutes)

1. Pizza is cut into 8 slices. If 4 friends share it equally, How many slices will each friend get?
2. Clowns has 30 balloons and wants to give them equally 5 children. How many balloons will each child get?
3. A box contains 24 chocolates. If each packet hold 6 chocolates, how many packets?

Review Questions (10 minutes):

Solve a set of simple division problems using the methods taught.

Discuss and clarify doubts about the three approaches.

Follow-up Tasks (10 minutes):

You are organizing a pizza party for 8 friends. You order 4 large pizzas, and each pizza has 8 slices.

Questions:

1. How many slices of pizza are there in total?
2. If the 8 friends share all the slices equally, how many slices will each person get?
3. If each person eats 2 slices, how many slices will be left over?

Expected Learning Outcome:

Knowledge building:

- Students will understand division as a process of equal sharing or grouping.

Skill Building:

- Develop mental math skills

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