Session 15: Average

Session Title	Average
Objective	1. Understand the concept of average as a way to find a central value. 2. Learn to calculate the average using simple steps. 3. Explore averages through engaging activities and real-life examples.
Concept	The average is the result you get when you add up several values and divide the total by the number of values. It is commonly used in everyday life to understand typical scores, speeds, or amounts. Formula: Average = (Sum of values) ÷ (Number of values)
Materials Required	1. Board & Chalk 2. Flashcards 3. Dice 4. Score cards 5. Counters 6. Chart paper
Methodology	Activity-based Learning: Games and data collection. Experiential Learning: Understanding averages through relatable situations and examples.
Session Duration	90 Minutes

Introduction Activity (20 minutes):

DICE DROP Each student rolls a dice 3 times and records the numbers. Ask: "What is the average number you rolled?" Let them add their numbers and divide by 3. Repeat with different groups and compare results.

Main Activity (40 minutes):

Objective: Make the idea of average clear through hands-on experiences.

Group Activity: TEAM SCORES (30 minutes)

1. Create teams and give each a set of three pretend test scores.
2. Students calculate the total and then divide by 3 to find the average.
3. Discuss how the average helps compare team performance fairly.

Real-Life Simulation: WEATHER WATCHERS (15 minutes)

1. Provide pretend temperature data for 5 days (e.g., 30, 28, 32, 29, 31).
2. Ask students to calculate the average temperature for the week.
3. Use visuals like bar graphs to support understanding.

Average-based problems: Time to Solve (20 Minutes)

- Find the average of 4, 5, and 7.
- Rani scores 80, 85, and 75 in three tests. What is her average?
- A family spent Rs. 1200, 1000, and 1500 over three months. What was their average monthly spending?

Follow-up Tasks (15 minutes):

Homework:

1. Record your walking steps for 3 days and calculate your average steps.
2. Write down scores of 3 games you played and find your average score.
3. Ask a family member to share 3 numbers from their routine (e.g., hours of sleep). Find the average.

Review Questions (15 minutes):

Ask:

1. Why do we use averages?
2. How is the average different from the total?
3. Can the average be more than all the numbers?

Expected Learning Outcome:

Knowledge building:

- Understanding of how averages summarize data.
- Ability to calculate the average using the standard formula.

Skill Building:

- Mathematical reasoning
- Data interpretation
- Real-life application of numbers

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