Session 34: Composite Numbers

Session Title	Composite Numbers
Objective	1. Define composite numbers and differentiate them from prime numbers 2. Identify composite numbers through factorization 3. Develop problem-solving and collaboration skills
Concepts	A number that is divisible by a number other than 1 and the number itself, is called a composite number.
Material Required	1. Chalk & Board 2. Game Card
Methodology	Activity-based and Cognitive skill-based
Session Duration	90 Minutes

Introduction Activity (30 minutes):

Guess My Number (15 minutes)

"Guess My Number" is a math-related game where one person thinks of a number between 1 and 100 and gives hints about its properties, such as "My number is odd" or "It's a multiple of 3." Students take turns guessing the number, and after each guess, they receive a hint, like "Too high"

or "You're getting closer." The game continues until someone correctly guesses the number.

promoting critical thinking, problem-solving, and mathematical reasoning in a fun and engaging way.

Composite Number:- Define (15 minutes)

A composite number is a natural number greater than 1 that has more than two factors. This means it can be divided evenly by numbers other than 1 and itself.

For example:

- 4 is composite because its factors are 1, 2, and 4.
- 6 is composite because its factors are 1, 2, 3, and 6.
- In contrast, a prime number has only two factors: 1 and itself (e.g., 2, 3, 5, 7).

Main Activity (45 minutes):

Composite Quest (45 minutes)

Each child receives a card with the numbers 1 to 100 written on it. They are then instructed to circle the composite numbers. The first child to complete the task wins.

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Review Questions (10 minutes):

Fill in the Blanks

1. A composite number has at least ___ factors.
2. The smallest composite number is ___.
3. ___ is the only even prime number and not a composite number.

Follow up Tasks (5 minutes):

Home work

Application Question:

Think of a real-life example where knowing about composite numbers might help (e.g., arranging desks, dividing chocolates). Write 2-3 sentences about it.

Expected Learning Outcome:

Knowledge building:

- Understand factorization
- Differentiate Prime and Composite numbers

Skill Building:

- Critical thinking
- Pattern recognition of numbers
- Speed and accuracy

Resources:

Composite numbers

Revision #10

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