

Playing with Numbers

Chapter 9: Playing with Numbers · Topic 1

Key Concept

A prime number has only two factors - 1 and itself - like 2, 3, 5, and 7, while a composite number has more than two factors.

Factors of a number divide into it exactly, while multiples are the results of multiplying that number by whole numbers.

Number patterns, like even numbers (2,4,6,8) or odd numbers (1,3,5,7), help us see relationships between numbers.

Exploring these number properties builds a strong foundation for more advanced topics like HCF, LCM, and algebra.

Quick Revision Notes

- A prime number has only two factors: 1 and itself.
- Examples: 2, 3, 5, 7.
- A composite number has more than two factors.
- Factors divide exactly into a number.
- Multiples are results of multiplying by whole numbers.
- Even numbers: 2,4,6,8. Odd numbers: 1,3,5,7.
- Number patterns show relationships.
- This builds foundation for HCF, LCM and algebra.

Practice Questions

- 1 List five prime numbers.
- 2 List five composite numbers.
- 3 Identify five even and five odd numbers.
- 4 Discuss the difference between prime and composite numbers.
- 5 Find all factors of 24.
- 6 Create a number pattern and explain its rule.