Grade 5

Topic:Number Properties

Section 1: Properties of Whole Numbers

1. Define the following properties and give an example for each:

   - Commutative Property
   - Associative Property
   - Distributive Property

2. Verify whether addition and multiplication are commutative for whole numbers using examples.

Section 2: Even and Odd Numbers

1. Prove that the sum of two odd numbers is always even.

2. Find the product of the first five even numbers.

Section 3: Prime and Composite Numbers

1. List all prime numbers between 1 and 50.

2. Find the prime factorization of 360.

3. Explain why 1 is neither prime nor composite.

Section 4: Divisibility Rules

1. Check if 4725 is divisible by 3, 5, and 9.

2. State the divisibility rule for 11 and test it on the number 72891.

Section 5: Greatest Common Divisor (GCD) and Least Common Multiple (LCM)

1. Find the GCD and LCM of 24 and 36 using prime factorization.

2. Solve: The LCM of two numbers is 120 and their GCD is 10. If one of the numbers is 40, find the other number.

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