MATHEMATICS   GRADE 06
Lesson 14 – TYPES OF NUMBERS AND NUMBER PATTERNS.
Worksheet

1. Section 1: Identifying Types of Numbers
   1. Identify Odd and Even Numbers:
      a) Determine whether the following numbers are odd or even: 12, 17, 22, 35, 40.
      b) Write three consecutive even numbers greater than 20.
      c) Find three consecutive odd numbers that sum up to 39.
      d) Identify all the even numbers between 50 and 60.
      e) Can a number be both odd and even? Explain your answer.
   2. Identify Prime and Composite Numbers:
      a) Determine whether the following numbers are prime or composite: 11, 16, 23, 28, 37.
      b) Write all the prime numbers between 20 and 30.
      c) Find two composite numbers whose product is 42.
      d) Is 1 a prime number? Why or why not?
      e) Explain the difference between a prime number and a composite number.
   3. Identify Square and Triangular Numbers:
      a) Determine whether the following numbers are square numbers: 9, 16, 21, 30, 36.
      b) Find the first four triangular numbers.
      c) Write three square numbers that are greater than 100.
      d) Is zero a triangular number? Justify your answer.
      e) Can a number be both a square number and a triangular number? Explain.
2. Section 2: Identifying Number Patterns
   1. Identify Number Patterns:
      a) Identify the pattern in the sequence of odd numbers: 3, 7, 11, 15, 19. What is the next number in the pattern?
      b) Find the pattern in the sequence of even numbers: 4, 8, 12, 16, 20. What is the next number in the pattern?
      c) Identify the pattern in the sequence of prime numbers: 2, 3, 5, 7, 11. What is the next prime number in the pattern?
      d) Find the pattern in the sequence of composite numbers: 10, 14, 18, 21, 25. What is the next composite number in the pattern?
      e) Identify the pattern in the sequence of triangular numbers: 1, 3, 6, 10, 15. What is the next triangular number in the pattern?