Practice Worksheet: Number Play

Section A: Multiple Choice

1. What is the parity of the number 10?

    A) Even
    B) Odd
    C) Both
    D) Neither

2. What is the parity of the sum of 5 and 7?

    A) Even
    B) Odd
    C) Both
    D) Neither

3. What is the parity of the number 3?

    A) Even
    B) Odd
    C) Both
    D) Neither

4. What is the parity of the sum of 2 and 4?

    A) Even
    B) Odd
    C) Both
    D) Neither

5. What is the parity of the number 1?

    A) Even
    B) Odd
    C) Both
    D) Neither

Section B: Short Answer

6. Explain the concept of parity in numbers.

7. What is the difference between even and odd numbers?

8. Explain how to determine the parity of the sum of two numbers.

9. What is the parity of the number 9?

10. Explain how to determine the parity of the product of two numbers.

Section C: Application Problems

11. Tom has 15 pencils in his pencil case. If he gives 3 pencils to his friend, how many pencils will he have left? What is the parity of the number of pencils he has left?

12. A bookshelf has 12 books on it. If 4 more books are added to the bookshelf, what is the parity of the total number of books on the bookshelf?

13. A basket contains 8 apples. If 2 more apples are added to the basket, what is the parity of the total number of apples in the basket?

14. A student has 5 pencils in her pencil case. If she gives 2 pencils to her friend, what is the parity of the number of pencils she has left?

15. A box contains 10 marbles. If 3 more marbles are added to the box, what is the parity of the total number of marbles in the box?

Answer Key

1: Even

2: Odd

3: Odd

4: Even

5: Odd

6: Parity refers to the property of being even or odd. Even numbers can be divided by 2 without leaving a remainder, while odd numbers cannot be divided by 2 without leaving a remainder.

7: Even numbers can be divided by 2 without leaving a remainder, while odd numbers cannot be divided by 2 without leaving a remainder.

8: To determine the parity of the sum of two numbers, we need to add the two numbers together and then check if the result is even or odd.

9: Odd

10: To determine the parity of the product of two numbers, we need to multiply the two numbers together and then check if the result is even or odd.

11: Tom will have 12 pencils left, which is an even number.

12: The total number of books on the bookshelf will be 16, which is an even number.

13: The total number of apples in the basket will be 10, which is an even number.

14: The student will have 3 pencils left, which is an odd number.

15: The total number of marbles in the box will be 13, which is an odd number.