

Practice Worksheet: Number Play

Section A: Multiple Choice

1. What is the parity of the sum of 3 and 5?
 - A. Even
 - B) B. Odd
 - C) C. Both
 - D) D. Neither

2. Which of the following numbers is an even number?
 - A. 7
 - B) B. 8
 - C) C. 9
 - D) D. 10

3. What is the parity of the product of 4 and 6?
 - A. Even
 - B) B. Odd
 - C) C. Both
 - D) D. Neither

4. Which of the following numbers is an odd number?
 - A. 6
 - B) B. 7
 - C) C. 8
 - D) D. 9

5. What is the parity of the sum of 2 and 4?
 - A. Even
 - B) B. Odd
 - C) C. Both
 - D) D. Neither

Section B: Short Answer

6. Explain the concept of parity and its application in real-life scenarios.
7. What is the difference between an even number and an odd number?
8. Solve the following cryptarithm: $A + B = C$, where A and B are single-digit numbers and C is a two-digit number.
9. What is the parity of the number of small squares in a 3x3 grid?
10. Explain how to determine the parity of the sum 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?
12. A bookshelf has 5 shelves, and each shelf can hold 8 books. If the bookshelf is currently empty, how many books can be placed on it in total?
13. A bakery sells 240 loaves of bread per day. If they operate 7 days a week, how many loaves of bread do they sell in a week?
14. A group of friends want to share some candy equally. If they have 48 pieces of candy and there are 8 friends, how many pieces of candy will each friend get?
15. A water tank can hold 1200 liters of water. If 300 liters of water are already in the tank, how much more water can be added?

Answer Key

- 1:** A. Even - The sum of 3 and 5 is 8, which is an even number.
- 2:** B. 8 - An even number is one that can be arranged in pairs without any leftovers.
- 3:** A. Even - The product of 4 and 6 is 24, which is an even number.
- 4:** B. 7 - An odd number is one more than a collection of pairs.
- 5:** A. Even - The sum of 2 and 4 is 6, which is an even number.
- 6:** Parity refers to the property of being even or odd. In real-life scenarios, parity is used to determine the number of items in a set or the number of people in a group.
- 7:** An even number is one that can be arranged in pairs without any leftovers, while an odd number is one more than a collection of pairs.
- 8:** Let's say $A = 2$ and $B = 5$. Then, $A + B = 7$, which is an odd number.
- 9:** The parity of the number of small squares in a 3x3 grid is even.
- 10:** To determine the parity of the sum of two numbers, we need to add the two numbers and check if the result is even or odd.
- 11:** Tom will have 12 pencils left.
- 12:** The bookshelf can hold 40 books in total.
- 13:** The bakery sells 1680 loaves of bread in a week.
- 14:** Each friend will get 6 pieces of candy.
- 15:** 1200 liters of water can be added to the tank.