Introduction and Warm-Up

Welcome to this exciting journey of discovering the world of numbers! In this worksheet, we will explore counting numbers, even numbers, odd numbers, and factors. Get ready to learn and have fun!

Complete the sequence: 2, 4, 6, 8, ____, ____

Answer: 10, 12, 14

Even and Odd Numbers

Even numbers are numbers that can be divided by 2 without leaving a remainder. Odd numbers are numbers that cannot be divided by 2 without leaving a remainder.

Identify whether each number is even or odd:

1. 12: Even
2. 23: Odd
3. 45: Odd
4. 68: Even

Questions:

1. What is the next even number after 20?

2. What is the next odd number after 31?

Factors

Factors are numbers that divide another number exactly without leaving a remainder.

Find the factors of each number:

1. 6: 1, 2, 3, 6
2. 9: 1, 3, 9
3. 12: 1, 2, 3, 4, 6, 12

Questions:

1. What are the factors of 15?

2. What is the greatest factor of 24?

Real-World Applications

A bookshelf has 15 books on it. If 3 more books are added, what is the total number of books?

Solve the problem and explain your reasoning.

Questions:

1. A bakery sells 240 loaves of bread per day. If they pack 12 loaves in a box, how many boxes do they need?

2. 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 will each friend get?

Number Patterns

Identify the pattern in each sequence:

1. 2, 4, 6, 8, ____, ____
2. 1, 3, 5, 7, ____, ____

Questions:

1. What is the next number in the sequence: 1, 2, 4, 8, 16, ____?

2. What is the pattern in the sequence: 3, 6, 9, 12, 15, ____?

Math Games

Play a math game to practice your skills!

Game 1: Even or Odd?

Determine whether each number is even or odd.

Game 2: Factor Frenzy

Find the factors of each number.

Questions:

1. What is the score if you answer 5 questions correctly in Game 1?

2. What is the highest score you can get in Game 2?

Word Problems

A city has 120 streets. If each street has 15 houses, how many houses are there in total?

Solve the problem and explain your reasoning.

Questions:

1. A water tank can hold 2400 liters of water. If 1200 liters of water are already in the tank, how much more water can be added?

2. A bakery sells 150 loaves of bread per day. If they make a profit of $0.50 per loaf, how much profit do they make in a day?

Critical Thinking

Solve each problem and explain your reasoning.

Problem 1: A snail is at the bottom of a 20-foot well. Each day, it climbs up 3 feet, but at night, it slips back 2 feet. How many days will it take for the snail to reach the top of the well?

Problem 2: A bat and a ball together cost $1.10. The bat costs $1.00 more than the ball. How much does the ball cost?

Questions:

1. What is the answer to Problem 1?

2. What is the answer to Problem 2?

Review

Review the concepts learned in this worksheet.

Questions:

1. What is the definition of an even number?

2. What is the definition of a factor?

3. What is the next even number after 50?

Conclusion

Congratulations on completing this worksheet! You have learned about counting numbers, even numbers, odd numbers, and factors. Remember to practice your skills and have fun with math!

Create your own math problem using the concepts learned in this worksheet. Share it with a friend or family member and see if they can solve it!