Christmas Math Worksheets

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Part 1: Building a Foundation

What is the sum of 12 candy canes and 8 candy canes?

Hint: Add the two numbers together.

- ◯ A) 18
- ◯ B) 20
- ◯ C) 22
- ◯ D) 24

Which of the following are symmetrical Christmas shapes? (Select all that apply)

Hint: Think about shapes that look the same on both sides.

- ☐ A) Christmas tree
- ☐ B) Snowflake
- ☐ C) Star
- ☐ D) Santa's sleigh

Explain how you would divide 24 Christmas cookies equally among 6 friends.

Hint: Think about how many cookies each friend would get.

List two examples of Christmas-themed items that can be used to teach addition and two for subtraction.

Hint: Think of items commonly associated with Christmas.

1. Addition example 1

2. Addition example 2

3. Subtraction example 1

4. Subtraction example 2

Part 2: Comprehension and Application

If you have a string of 50 Christmas lights and 10% are not working, how many lights are not working?

Hint: Calculate 10% of 50.

- ◯ A) 5
- ◯ B) 10
- ◯ C) 15
- ◯ D) 20

Which of the following scenarios involve fractions? (Select all that apply)

Hint: Think about situations where something is divided.

- ☐ A) Sharing a pie equally among 4 people
- ☐ B) Counting the number of gifts under the tree
- ☐ C) Dividing a ribbon into 3 equal parts
- ☐ D) Calculating the total cost of 5 ornaments

Create a word problem involving the division of Christmas gifts among children and solve it.

Hint: Think about how many gifts each child would get.

You have 3 boxes of ornaments, each containing 12 ornaments. How many ornaments do you have in total?

Hint: Multiply the number of boxes by the number of ornaments in each box.

- ◯ A) 24
- ◯ B) 30
- ◯ C) 36
- ◯ D) 40

Part 3: Analysis, Evaluation, and Creation

If the pattern of Christmas lights is red, green, blue, red, green, blue, what color will the 10th light be?

Hint: Look for the repeating pattern in the colors.

- ◯ A) Red
- ◯ B) Green
- ◯ C) Blue
- ◯ D) Yellow

Analyze the following data set: [5, 10, 15, 20, 25]. Which statements are true? (Select all that apply)

Hint: Consider the definitions of median, mean, mode, and range.

- ☐ A) The median is 15
- ☐ B) The mean is 15
- ☐ C) The mode is 10
- ☐ D) The range is 20

Evaluate the effectiveness of using Christmas-themed math problems in engaging students. Discuss potential benefits and drawbacks.

Hint: Think about how themes can make learning more enjoyable.

Design your own Christmas-themed math problem that involves both addition and multiplication. Provide a solution to your problem.

Hint: Combine both operations in a creative way.