Student Name: _____

Class: _____

Due Date: _____

Introduction

Welcome to this fractions and decimals homework sheet! This worksheet is designed for students aged 7-9 years to practice adding and subtracting fractions with like denominators. By the end of this worksheet, you will be able to apply addition and subtraction operations to fractions with like denominators, demonstrating your understanding of equivalent ratios and basic arithmetic operations with fractions.

Section 1: Understanding Fractions with Like Denominators

Activity 1.1: Matching Fractions with Pictures

Fraction   Picture

1/4   _____

1/2   _____

3/4   _____

Draw a picture for each fraction and shade in the appropriate parts.

Activity 1.2: Equivalent Fractions and Decimals

Decimal   Fraction

0.5   ___/10

0.25   ___/10

Explain your reasoning for each answer.

Section 2: Adding Fractions with Like Denominators

Activity 2.1: Adding Fractions

Fraction 1	Fraction 2	Sum
1/6	2/6	___/6
3/8	1/8	___/8

Show your work and explain your process.

Activity 2.2: Word Problem

Tom has 1/4 of a pizza and his friend gives him 1/4 of a pizza. How much pizza does Tom have now? Use a diagram to help you solve the problem.

Section 3: Subtracting Fractions with Like Denominators

Activity 3.1: Subtracting Fractions

Fraction 1	Fraction 2	Difference
5/10	2/10	___/10
3/12	1/12	___/12
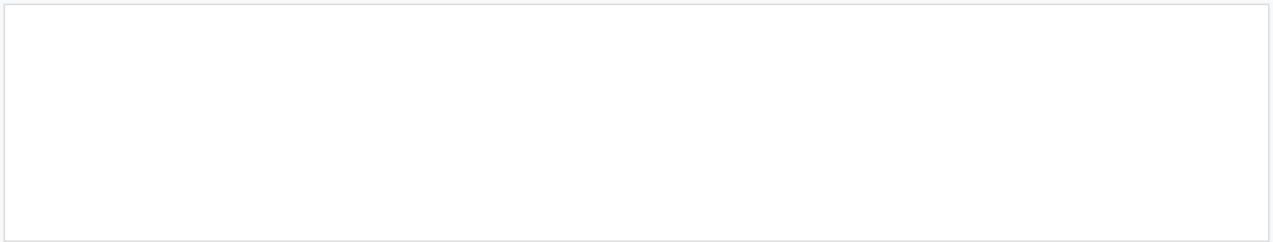
Explain how you got your answers.

Activity 3.2: Word Problem

Sarah has 3/8 of a bag of candy. She gives 1/8 of the bag to her brother. How much candy does Sarah have left? Draw a picture to represent the problem and solve it.

Section 4: Extension Activities

Activity 4.1: Create Your Own Word Problems

Create your own word problems involving adding or subtracting fractions with like denominators. Solve them and explain your reasoning.

Activity 4.2: Real-World Scenarios

Research and list 5 real-world scenarios where fractions and decimals are used. Explain how they are used in each scenario.

Conclusion

Congratulations on completing this fractions and decimals homework sheet! Remember to check your work and ask for help if you need it. The goal of this worksheet is to reinforce your understanding of adding and subtracting fractions with like denominators. Have fun learning about these important mathematical concepts!

Parent/Guardian Notes

To support your child with this worksheet:

- Encourage them to read each question carefully and ask for help if they are unsure.
- Provide additional practice with adding and subtracting fractions if needed.
- Discuss real-world applications of fractions and decimals to enhance their understanding and interest.
- Monitor their time to ensure they complete the worksheet within the given timeframe.

Answer Key

[Insert answer key for each activity]