



**PLANIT**  
TEACHERS

## Maths Homework Sheet: Fractions and Decimals - Division

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**Student Name:** \_\_\_\_\_

**Class:** \_\_\_\_\_

**Due Date:** \_\_\_\_\_

### Introduction

Welcome to this maths homework sheet on fractions and decimals - division. This sheet is designed to support your learning in the classroom and help you practice your skills in division with fractions and decimals.

### Visual Division

1. Divide a pizza into equal parts to share among friends. If a pizza has 12 slices and you want to share it equally among 4 friends, how many slices will each friend get? Draw a diagram to show your answer.

2. A toy box has 18 toys and needs to be divided into boxes of 3. How many boxes can be made?

### Simple Division

1.  $12 \div 4 =$

2.  $15 \div 5 =$

3.  $9 \div 3 =$



### Fraction Division

1.  $1/2 \div 2 =$

2.  $3/4 \div 3 =$

3.  $2/3 \div 2 =$

### Decimal Division

1.  $12 \div 4 =$

2.  $9 \div 3 =$

3.  $6 \div 2 =$



### Complex Fractions

1.  $1/2 \div 1/4 =$

2.  $3/4 \div 1/2 =$

3.  $2/3 \div 3/4 =$

### Real-World Applications

1. A recipe for making cookies requires  $2 \frac{3}{4}$  cups of flour. If you want to make half the recipe, how much flour will you need?

2. A water tank can hold 240 litres of water. If 4 pipes are filling the tank at the same time, and each pipe fills the tank at a rate of  $1/4$  of the total capacity per hour, how long will it take to fill the tank?



## Extension Activities

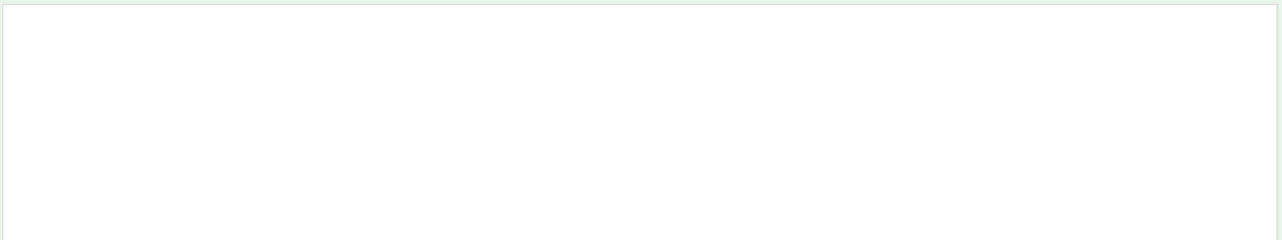
### Create Your Own Word Problems

Design and solve your own word problems involving division with fractions and decimals.



### Division Bingo

Create bingo cards with division problems and play a game with a partner or in a small group.



## Success Criteria

To achieve success in this assignment, you should:

- Complete all foundation and core level activities accurately.
- Demonstrate an understanding of division with fractions and decimals.
- Provide clear explanations for your reasoning (where applicable).
- Meet the time management guidelines (approximately 45 minutes).

To support your child with this assignment:

- Encourage them to read each question carefully and use a pencil and paper to work out their answers.
- Assist them in checking their calculations for accuracy.
- Provide guidance on how to explain their reasoning (where applicable).
- Encourage them to complete as many questions as they can within the given time frame.
- If your child requires additional support or challenges, please consult with their teacher to discuss possible adjustments.

## Conclusion

We hope you have enjoyed this maths homework sheet on fractions and decimals - division. Remember to practice your skills regularly and ask for help if you need it. Good luck!