

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

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

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

### Introduction

Division is a mathematical operation that can be understood as sharing or grouping objects into equal parts. In this homework sheet, you will practice dividing objects into equal groups and solve real-world problems that involve division.

### Activity 1 - Division as Sharing

Imagine you have 18 cookies that you want to share equally among 3 of your friends. How many cookies will each friend get? Show your working out and explain your answer in a short sentence.

## Activity 2 - Division Word Problems

Solve the following word problems:

1. If Sara has 24 pencils and she wants to put them into boxes of 4 pencils each, how many boxes can she make?

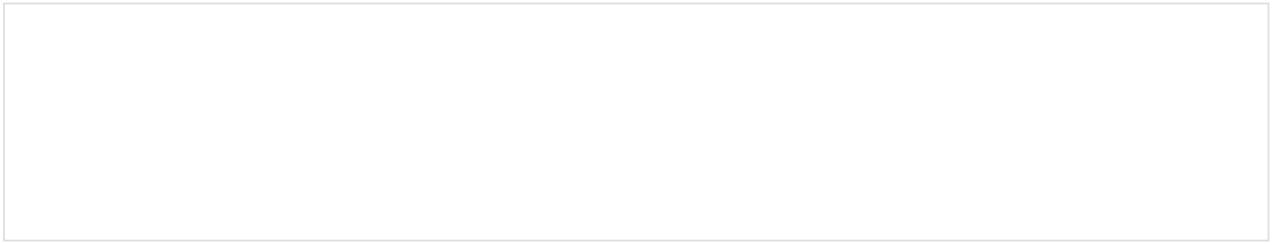
2. A bookshelf has 18 books on it, and they need to be packed into boxes that hold 3 books each. How many boxes are needed?

3. Tom has 20 marbles and wants to share them equally among 5 of his friends. How many marbles will each friend get?

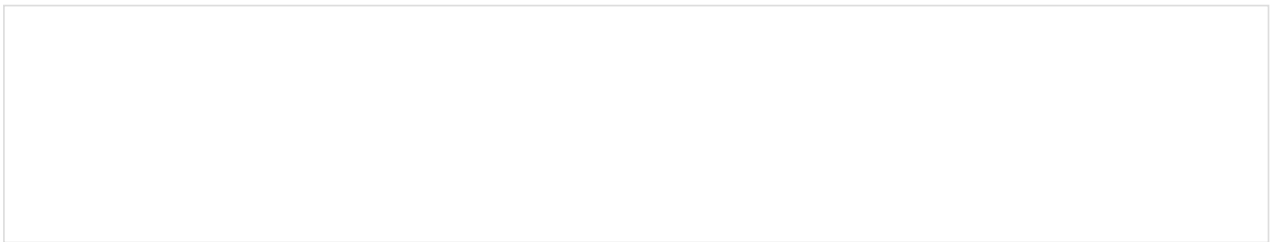
### Activity 3 - Visualizing Division

Use blocks, counters, or draw pictures to represent the following division problems:

1.  $12 \div 4 =$



2.  $15 \div 5 =$



Explain how your visual representation shows the division process.

### Extension Activity - Real-World Division Scenarios

Think of 3 real-life scenarios where division is used (e.g., sharing food, dividing a room into equal parts, etc.). Write a short paragraph explaining each scenario and how division is applied in it.

Scenario 1: \_\_\_\_\_

Scenario 2: \_\_\_\_\_

Scenario 3: \_\_\_\_\_

### Extension Activity - Creating Division Problems

Create 3 division word problems of your own and solve them. Make sure your problems involve real-life scenarios and are challenging but solvable.

Problem 1: \_\_\_\_\_

Solution: \_\_\_\_\_

Problem 2: \_\_\_\_\_

Solution: \_\_\_\_\_

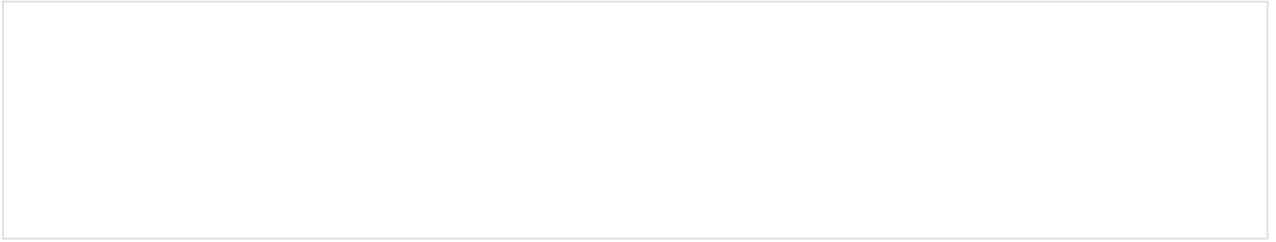
Problem 3: \_\_\_\_\_

Solution: \_\_\_\_\_

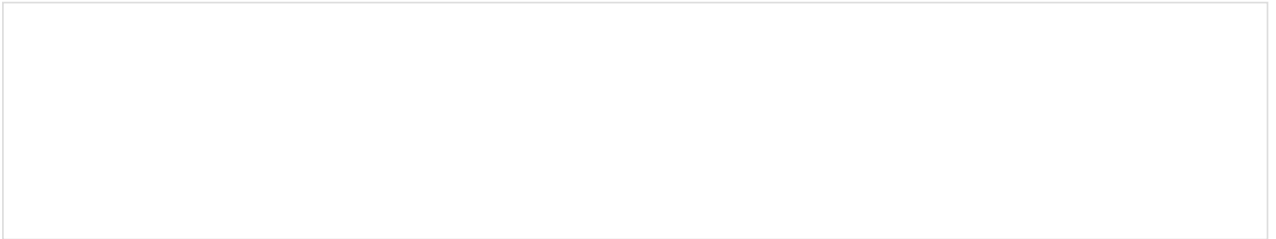
## Division Practice

Practice dividing objects into equal groups:

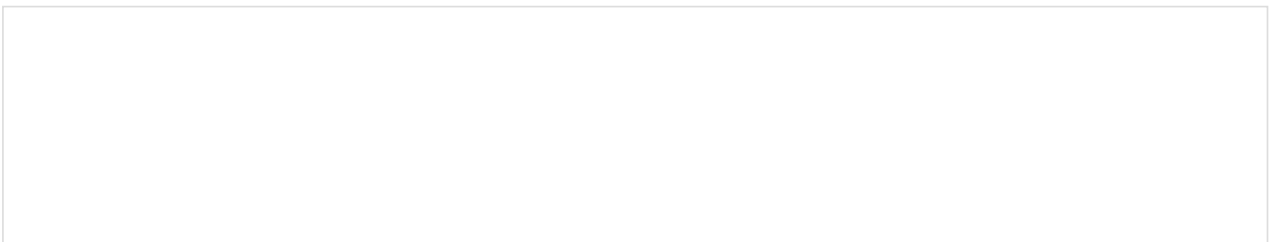
1.  $9 \div 3 =$



2.  $16 \div 4 =$



3.  $25 \div 5 =$



## Word Problems

Solve the following word problems:

1. If a pizza has 12 slices and you want to share it equally among 4 people, how many slices will each person get?

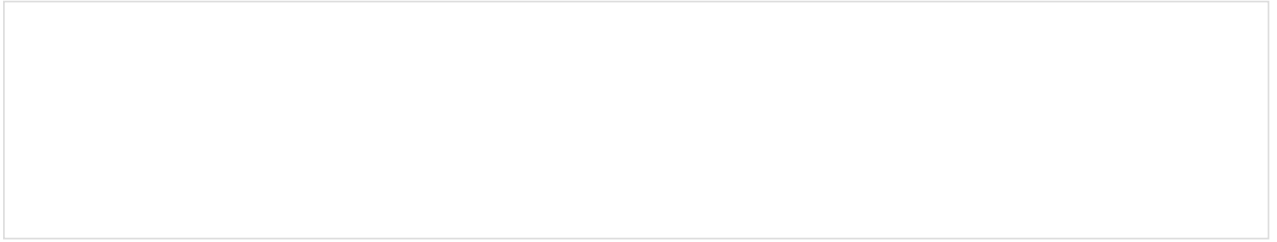
2. A toy car track is 18 meters long and you want to divide it into equal parts for 3 players. How many meters will each player get?



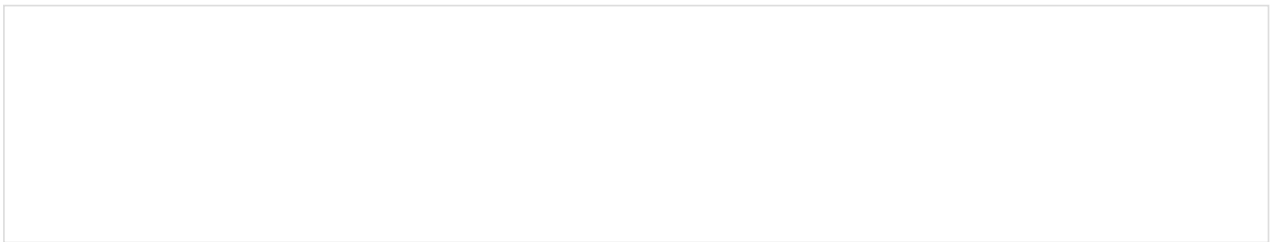
## Visualizing Division

Use blocks, counters, or draw pictures to represent the following division problems:

1.  $8 \div 2 =$



2.  $12 \div 6 =$



## Conclusion

Check your work and make sure you have completed all the activities. Ask your teacher or parent if you have any questions or need help. Remember, division is a useful skill that can be applied to many real-life situations!