

# ADDITION OF DECIMAL FRACTIONS

## Subject

Mathematics

## Prepared By

[Instructor Name]

## Grade Level

4

## Overview

This lesson plan covers teaching content for;

1. Addition of decimal fractions.
2. Quantitative reasoning problems involving addition of fractions.

## Objectives

Students should be able to;

1. Add decimal fractions.
2. Solve quantitative reasoning problems involving addition of fractions.

## Activity Starter/Instruction

1. For this activity divide the class into 2 groups each with a die.
2. Both groups roll their die and note the numbers on which it has landed. For example, throw 4 and 6 where the first group's die represents whole numbers and the second group's die represent decimal numbers i.e. 6 and 0.4.
3. With roll of the die the 2 die values will be added and each groups gets a chance to give an answer.

## Guided Practice

### Day 2/ Lesson 2: 15 Mins

1. Tell pupils to convert fractions into equivalent forms by multiplying or dividing the numerator and the denominator by the same whole number. This allows them to

## Teacher Guide

### Day 1/ Lesson 1: 15 Mins

1. Explain that before pupils add decimal fractions, they have to arrange them in proper order by using the column method i.e. tens underneath each other, units underneath each other, tenths underneath each other, etc.
2. Remind pupils of the carrying rule in addition and the borrowing rule in subtraction.
3. Also take care to explain the consistency of the decimal comma.

## Guided Practice

### Day 3/ Lesson 3: 15 Mins

1. Play subtraction bingo – subtracting the two scores.
2. Divide the class into 2 groups each with a die. Both groups roll their die and note the numbers on which it has landed. For example, throw 4 and 6 where the first

## Materials Required

- Fraction chart
- Workbook
- Number line.

## Additional Resources

- <https://en.serlo.org/math/numbers-and-quantities/de-fractions/addition-and-subtraction-decimal-fractions->
- <https://www.mathsisfun.com/adding-decimals.html>
- <https://www.math-only-math.com/subtraction-of-decimals.html>
- <http://www.ltconline.net/GREENL/courses/187/c/De>

## Additional Notes

	<p>work with fractions that have the same denominators.</p> <p>2. All they have to do is add or subtract the numerators only while keeping the denominator the same.</p> <p>3. Explain that the most important concept is that they cannot add or subtract fractions unless they all have the same denominator.</p> <p>4. Let them know that If fractions have different denominators, they must first write them as equivalent fractions that have the same denominator.</p>	<p>group's die represents whole numbers and the second group's die represent decimal numbers i.e. 6 and 0.4.</p> <p>3. With roll of the die determine whether the 2 die values will be added or subtracted and each groups gets a chance to give an answer.</p>
	<p><b>Assessment Activity</b></p> <p>Pupils need to be familiar with changing whole numbers into fractions and creating a common denominator. Make sure that pupils understand how to get a common denominator.</p>	<p><b>Assessment Activity</b></p> <p>Assess if pupils can:</p> <p>1. Add decimal fractions correctly.</p>
	<p><b>Summary</b></p> <p>1. Ask for volunteers to share their answers to the problems assigned.</p> <p>2. As the problems are reviewed in front of the class, have the students check their answers for accuracy</p>	