

DIGITAL LESSON PLAN

Name of the Student Teacher : K.A.AVUTHIKA
Name of the Institution : Christian College of Education, Marthandam.
Standard : VII
Subject : Mathematics
Unit : Real Number System
Topic : Addition of Fractions
Duration : 90 minutes
Date : XXXXXX

Instructional Objectives:

1. Pupil acquires knowledge to find the addition of fractions.
2. Pupil understand the method of addition of fraction.
3. Pupil apply the gained knowledge in new situations.
4. Pupil does calculations with speed and accuracy.
5. Pupil verifies the result.

Instructional Resources Required

Hardware Resources Needed

- Computer
- LCD Projecter
- Digital Camera

Software Resources Needed:

- Microsoft Word

- Microsoft PowerPoint

Printed Material Needed:

- Textbook
- Portable Document File

Internet Resources Needed:

- URL of Wiki
- URL of Google Images

Previous Knowledge of Learners:

- Knowledge of Proper and Improper Fraction
- Knowledge of Mixed Fraction

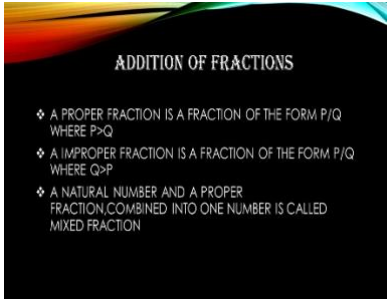
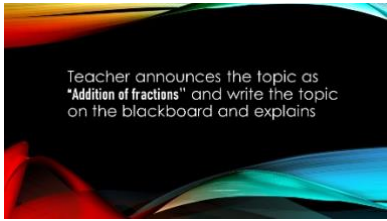
Types of Media Effects :

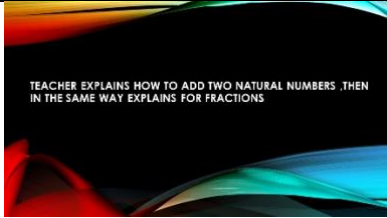

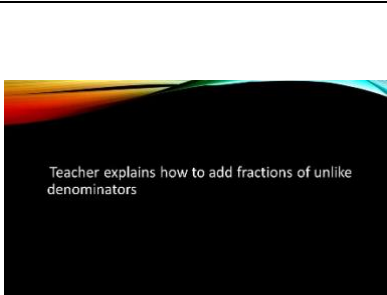
- Text
- Images
- Animation
- Audio

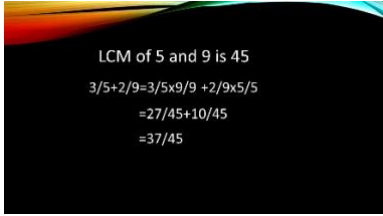
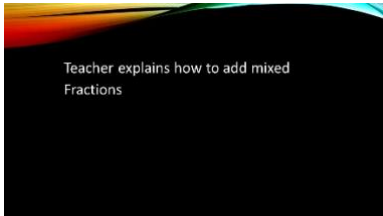
PowerPoint Presentation

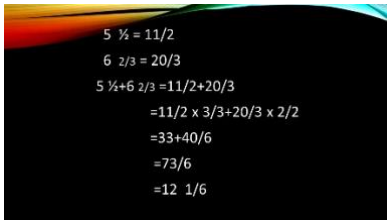
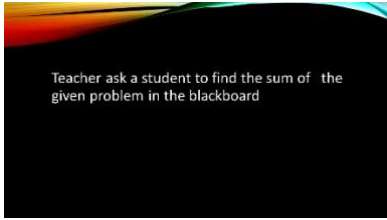
Slide Numbers		Steps
1	:	Motivation
2	:	Topic Announcement
3-8	:	Presentation
9,10	:	Application
11	:	Recapitulation
11	:	Assignment


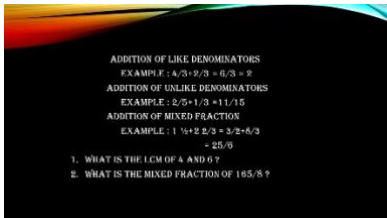
Contents	Specification	Slide Effects	Slide	Learning Experience	Evaluation
Motivation	Recalls	Text		A proper fraction is of the form p/q where $p > q$.	What is proper fraction?

				<p>A improper fraction is of the form p/q where $q > p$</p> <p>A natural number and a proper fraction combined into one number is called mixed fraction.</p>	<p>What is improper fraction?</p> <p>What is called mixed fraction?</p>
<p>Introducing the topic</p> <p>Addition of Fractions</p> <p>Let us add two fractions $1/5 + 3/5$</p>	<p>Compares</p> <p>Presentation</p>	<p>Text</p> <p>Video-Animation Audio</p>		<p>Teacher announces the topic as "Addition of Fractions" and write the topic on the blackboard and explains.</p> <p>Teacher explains how to add two natural numbers. Then in the same way explains for fractions, then shows the video and explains.</p>	

					
	Recalls	Text		LCM of 5,5 is 5 $1/5 + 3/5 = 1 + 3/5$ $= 4/5$	What is the LCM of 5,5 ?
Let us add two fractions $3/5 + 2/9$	Acquired knowledge	Video-Animation Audio		Teacher explains how to add fractions of unlike denominators then shows the video and explains	What is $3/5 + 2/9$?

	Recalls	Text	 <p>LCM of 5 and 9 is 45 $\frac{3}{5} + \frac{2}{9} = \frac{3 \times 9}{5 \times 9} + \frac{2 \times 5}{9 \times 5}$ $= \frac{27}{45} + \frac{10}{45}$ $= \frac{37}{45}$</p>	<p>LCM of 5 and 9 is 45</p> $\frac{3}{5} + \frac{2}{9}$ $= \frac{3 \times 9}{5 \times 9}$ $+ \frac{2 \times 5}{9 \times 5}$ $= \frac{27}{45} +$ $\frac{10}{45}$ $= \frac{37}{45}$	What is the LCM of 5 and 9?
<u>Simplify</u> $5 \frac{1}{2} + 6 \frac{2}{3}$	Acquire Knowledge	Video-Animation Audio	 <p>Teacher explains how to add mixed Fractions</p>	Teacher explains how to add mixed fractions, then shows the video and explains	What is $5 \frac{1}{2} + 6 \frac{2}{3}$?
	Recalls	Text		$5 \frac{1}{2} = \frac{11}{2}$ $6 \frac{2}{3} = \frac{20}{3}$	What is the improper fraction of $5 \frac{1}{2}$?

				$5 \frac{1}{2} + 6 \frac{2}{3}$ $= 11/2 + 20/3$ $= 11/2 \times 3/3$ $+ 20/3 \times 2/2$ $= 33 + 40/6$ $= 73/6$ $= 12 \frac{1}{6}$	<p>What is the improper fraction of $6 \frac{2}{3}$?</p> <p>What is the LCM of 2 and 3?</p> <p>What is the mixed fraction of $73/6$?</p>
<p>Simplify $1/3 + 1/5$</p>	<p>Application</p>	<p>Text</p>		<p>Teacher ask a student to find the sum of the given problem in the blackboard.</p>	

	Speed and Accuracy	Image		$\frac{1}{3} + \frac{1}{5} =$ $= \frac{1}{3} \times \frac{5}{5} +$ $\frac{1}{5} \times \frac{3}{3}$ $= \frac{5}{15} + \frac{3}{15}$ $= \frac{8}{15}$	
Review	Recapitulation	Text		Teacher review the important points and gave some assignments	<p>What is the LCM of 4 and 6?</p> <p>What is the mixed fraction of 165/8?</p>

Concluding Phase

[DIGITAL LESSON PLAN.pptx](#)

Remedial Phase

<https://www.youtube.com/watch?v=-P4QOGcSML0>

Extended/Follow up Activity

- Simplify $\frac{2}{3} + \frac{4}{5}$?
- Simplify $4\frac{1}{2} + 5\frac{6}{9}$?
- There are 2 pizza each pizza is cut into 8 pieces , Person A ate 3 pieces from 1st pizza and B ate 5 pieces from 2nd pizza . Find the total number of pieces and how many pieces they ate both ?