LESSON PLAN 8						
CLASS : 6 TEACHER'S NAME : N. VENKATA SRIKANTH 8790762195 SCHOOL: Z.P.H.S, PEDDADUGAM, JALUMURU MDL, SRIKAKULAM DIST						
NAME OF THE UNIT	SUB-TOPICS	NO OF PERIODS REQUIRED			Time line for teaching	
		Teaching	Practice	TOTAL	From	То
DECIMALS	<ul> <li>8.1 INTRODUCTION</li> <li>8.2 COMPARING DECIMALS</li> <li>8.3 USING DECIMALS</li> <li>8.3.1 MONEY</li> <li>8.3.2 LENGTH</li> <li>8.3.3 WEIGHT</li> </ul>	4	6	10		
	8.4 ADDITION OF DECIMALS 8.5 SUBTRACTION OF DECIMALS	4	6	10		
	TOTAL	8	12	20		
	KEY CONEPTS	KEY VOCABULARY				
PRE-REQUISITES	Every Pupil is expected to have basic knowledge in # Fractions, part of a whole and writing decimals( familiar with it in class V) # Natural Numbers and Whole Numbers and Integers # expressing different units and their convertion like length, weight, Money # ordering of integers, fractions # four basic operations +,-,x,÷	# Decimal # Whole Part # Decimal Part # Comparision # Greater than # Less than # Length, Kilo metre, Metre, Centi Metre and Milli Metre			# Money, Rupees,Paise # Weight, Kilo grams and grams # Addition of decimals # Subtraction of decimals # Hundredth	

## Learning Outcomes

After Completion of this lesson every student will be able to

# express different quantities in decimals.

# Compare decimals

# convert one unit of measure into another unit using decimals in the case of calculating money, measuring length and weight.

# do addition and subtraction by arranging decimals in proper way (by writing unlike decimals into like decimals)

# utilize the concept of decimals in real life situations

# appreciates the importance of decimals in real life situations



TEACHING PERIOD : 1,2,3	INTRODUCTION, COMPARING DECIMALS, USING DECIMALS, MONEY, LENGTH, WEIGHT			
CONCEPTS/STEPS	TEACHER ACTIVITY (I DO)	GROUP ACTIVITY (WE DO)	INDIVIDUAL ACTIVITY ( YOU DO )	
KEY WORDS & PRE REQUISITES	Brain storming session invoving children with pre-requisites vocabulary and concepts related to previous knowledge. Introduction of new vocabulary and key words associated with the concept # Decimal # Whole Part # Decimal Part # Comparision # Greater than # Less than # Length, Kilo metre, Metre, Centi Metre and Milli Metre # Money, Rupees, Paise # Weight, Kilo grams and grams	* Students read the pre- requisites and answer the questions to the teacher (whole class activity)	Every Pupil will read and write the key words in their note books	
MIND MAPPING	Teacher writes the key word " DECIMALS" on the black board and will elict its other related words through questioning and will draw pupils' attention towards key concepts in the lesson	Hetrogeneous groups are created. One group will read the words and other will explain the meaning	Pupils individually read the keywords associated with the lesson	
CONCEPTUAL UNDERSTANDING LEARNING ACTIVITY	Teacher recalls children's knowledge on fractions which they are familiar with in their previous lesson along with the concept of decimals in real life situations. Here teacher reminds children about writing decimals which they have learnt in their previous classes. Teacher once again explains to children about the basic terminology like whole part and decimal part and the way of reading a decimal etc., Now teacher demonstrates the way of comparing decimals in an easy step wise process in which first pupils will compare the whole part first and later will compare the decimal part beginning with comparision of the digit in tenth place and later hundredth place and later thousandth place and so on. Teacher conducts an activity on comparing decimals by dividing children into groups. Later teacher involves children in an another activity where usage of these decimals occur in real life situations like transacting with money, measuring lengths and weights etc., Here teacher makes hetrogeneous groups of children and each group will be asked to express any day to day items we use in different units. One group will read out the units for example 57 rupees and 75 Paise, the other group will express it in decimals as 57.75 rupees. Groups with lowest margin of error will be the winner.Here teacher guides children in correcting any erroneous expression of decimals	Whole class pariticipates in the activity and ascertains learning of the concept 1. 7 paise = ₹ 0. 2. 7 rupees 7 paise 3. 77 rupees 77 4. 50 paise - ₹ 0 5. 235 paise = ₹ 0. 5. 235 paise = ₹ 17 . 59 10 × Bigger 10 • Express the following as cm (f) 83 mm 83 mm = 83 × 1 mm = 83 × $\frac{1}{10}$ cm = $\frac{83}{10}$ cm	every child learns the concept through the learning acitivity. 07 uise = ₹ 7.07 paise = ₹ 77.77 0.50 2.35 using decimals. As 10 mm = 1 cm 1 mm = $\frac{1}{10}$ cm	
SUMMARY	Techer writes the summary and procedure adopted in representing fractions on number line and converting mixed to improper and vice versa and asks children to read write and note	= 8.3 cm pupils will note down and read in groups	every individual reads the summary and notes it down	
ASSESSMENT	Teacher gives some questions under Try these section and exercise 8.1 & 8.2 and asks children to solve	every group will do the sums by discussion among each	every individual solves the sums on their own	

PRACTICE PERIOD: 1,2,3	INTRODUCTION, COMPARING DECIMALS, USING DECIMALS, MONEY, LENGTH, WEIGHT			
CONCEPTS/STEPS	TEACHER ACTIVITY (I DO)	GROUP ACTIVITY (WE DO)	INDIVIDUAL ACTIVITY ( YOU DO )	
KEY WORDS READING	Teacher writes the key words from previous class's teaching period and asks children to read and write them in note books # Decimal # Whole Part # Decimal Part # Comparision # Greater than # Less than # Length, Kilo metre, Metre, Centi Metre and Milli Metre # Money, Rupees,Paise # Weight, Kilo grams and grams	Whole class activity : one child comes to the board and reads the key words loudly and the remaining class follows.	Every child comes to the board and reads the key words and notes them down in their note books	
SIMILAR LINES READING	Teacher expresses some quantities in decimal units and gives some work sheets to children and asks them to express them in decimals using similar lines.	Each group will observe the similar lines and will frame some more by discussion		
200 g = 200 × 1 g = 200 × $\frac{1}{1000}$ kg = $\frac{200}{1000}$ kg = $\frac{0200}{1000}$ kg = 0.200 kg	Metric units of length: kilometers, meters, centimeters and millimeters         Grade 4 Measurement Worksheet         Note: 1 kilometer (km) = 1,000 meter (m) 1 m = 100 centimeters (cm) = 1,000 millimeters (mm)         Convert to the units shown:         1       0.65 km =	Image: Constraint of these weights in kg using a decimal           1. 2kg 476g -         1           2. 5kg 342g -         1           3. 8kg 544g -         1           4. 3kg 561g -         1           5. 9kg 701g -         1           6. 4kg 760g -         3	of Weight         Ising a Decimal Point         1 point. For example: 2kg 576g + 2.576kg         2. 3kg 42g +         3. 7kg 88g +         4. 1kg 32g +         5. 9kg 56g +         6. 8kg 8g +         7. 5kg 2g +	
SUMMARY/ SYNOPSIS	Teacher once again writes important key words and procedures and asks children to spell, read, note down and practice.	pupils will note down and read the summary in groups	every individual spells and reads the summary and notes it down	
WRITING/ EDITING	Teacher gives some sums related to try these section and sums of exercise 8.1 & 8.2 and asks children to write them and checks the writings of children	One group will check the writings of the other and vice versa	Slow learners are focused and teacher will ascertain that every individual learns the concept	

TEACHING PERIOD : 4,5,6	ADDITION OF DECIMALS, SUBTRACTION OF DECIMALS					
CONCEPTS/STEPS	TEACHER ACTIVITY (I DO)		GROUP ACTIVITY (WE DO)	INDIVIDUAL ACTIVITY ( YOU DO )		
KEY WORDS	Brain storming session invoving children with key words # Addition of decimals # Subtraction of decimals # Hundredth		* Students read the keywords answer the questions to the	Every Pupil will read and write the key words in their note		
CONCEPTUAL UNDERSTANDING	Teacher illustrates the concept of addition and subtraction of decimals through some exemplary sums from real life situations. Here teacher guides children in placing the decimal numbers in their exact positions while adding or subtracting. Teacher further guides children to convert all the given decimals into like decimals to avoid confusion while doing addition or subtraction. Later teacher conducts an activity on addition and subtraction of decimals among hetrogeneous groups by giving different sets of decimal cards to each group and do the operations of + and The group which first performs the operations correctly will get the appraisal.		Each group will understand the concepts by participation in the activity every child learns the concept through the learning acitivity and observation of TLM			
Addition and Subtraction of Decimals and Whole Numbers Addition 1 5.0 0 + 1 2.5 6 2 7.5 6 LEARNING ACTIVITY	Subtraction © Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø Ø	Adding DecimalsExample: $0.32 + 12.965 + 1.1$ $51 + 14.02 + 2.1$ Line up decimal points $0.320$ $12.965$ $+ 1.100$ $14.385$ $51.00$ $14.02$ $+ 2.10$ Change whole number to decimal	tack on zero(s) → drop down decimal point subtract normally → -5.6 8-2	3.75 3.75 3.75 5.75 5.75		
SUMMARY	Teacher once again writes important key words and procedures and asks children to note down and adopt.		Pupils will note down and read the summary in groups	Every individual reads the summary and notes it down and adopts the procedure		
ASSESSMENT	Teacher gives some questions from Try These sections as well as sums of exercise 8.3 & 8.4 and asks children to solve those sums		Every group will do the sums by discussion among each other	ach Every individual solves the sums on their own		

KEY WORDS READING	Teacher writes the key words from previous class's teaching period and asks children to read and write them in note books		Whole class activity : one child comes to the board and	Every child comes to the board and reads the key words and	
	# Addition of decimals # Subtraction of decimals # Hundredth		reads the key words loudly	notes them down in their note	
	Teacher will perform so	me additions and subtractions of decimals on black	Fach group will read the	Every Individual will do a few	
SIMILAR LINES READING	board and will give chile	Iron some workshoots and asks them to solve them	similar lines and will frame	more by watcing similar lines	
	board and will give children some worksheets and asks them to solve them		some more by discussion	more by watcing similar lines	
	by watching similar inte	5.	some more by discussion		
Add and Subtract D	ecimals less than	Subtracting Decimals			
1 without Regroupi	ng: Missing Digits		Subtract Hundredt	ns less than 1 with	
S. Fill in the miss	ing digits.	Example:	S Regro	uping .	
NAME	M man	13.8 – 1.27	. Find the d	Interence.	
		Line up 13.80 'Pad' with	NAME	- C	
0.21 0.39	0.17 0.30	decimal 12.52 zeros and subtract			
$\frac{+0.4}{0.6}$ $\frac{+0.0}{0.8}$	$\frac{+0.2}{0.4}$ + 0.0	points 12.53	0.65 0.90	0.96 0.95	
	0.22 0.5 0				
$\frac{10.50}{0.92}$ $\frac{40.57}{0.43}$	$\frac{10.20}{0.78}$	Addition of Decimals	-0.86 -0.56	-0.02 -0.64	
	0.9 0.6	тот	0.41 0.77	043 073	
0.0 0.72	0.0 0.2	1 O. t	-0.14 -0.58	-0.38 -0.26	
0 92 01 9	0.7 3 0 79	1 2.5			
- 0.3 1 - 0.19	- 0. 10 - 0.3 9	1 2.0	0.25 0.10	0.31 0.42	
0.51 0.07	0.11 0.34	+ 1 4.9	-0.18 -0.01	-0.16 -0.34	
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SUIVIIVIART/	leacher once again writ	es important key words and definitions and asks	Pupil groups will read and	Teacher focuses on every	
511007515	children to note down and adopt.			individual so that every child is	
	· · · · · · · · · · · · · · · · · · ·			able to learn the concept in	
WRITING/	Teacher gives some que	stions from Exercise 8.3 & 8.4 and asks children to	One group will check the	successive upcoming practice	
EDITING	solve those sums and teacher checks the writings of children		writings of the other and vice	sessions	
		č	versa		