

**LESSON PLAN
CLASS-IV**

**SUBJECT-
MATHEMATICS**

DAY-1

TIME -40 MIN

UNIT/NAME OF THE LESSON	CHAPTER-3 A TRIP TO BHOPAL
LEARNING OBJECTIVE	To be able to understand place value chart and write, read the numbers they see and write, To be able to do some simple conversion and basic operations
CONCEPT OF THE DAY	Basic operations mentally to be quick in real life
EXPECTED LEARNING OUTCOMES (ELO)	Students will be able to: 1. Make and compare the numbers correctly 2. Make basic conversions 3. Perform simple multiplication and division mentally
TEACHING LEARNING MATERIAL (TLM)	PPT, Print outs, place value chart
PREREQUISITE KNOWLEDGE	Place value chart and facts of multiplication and divisions
ASSESSMENT OF QUALIFYING KNOWLEDGE	Some puzzles will be shown to students on smart board and asked to guess the number.
TRANSACTION METHODOLOGY	
STARTER/ INTRODUCTION: (5MIN)	a) Teacher will start the class with a discussion on place value chart and ask the class to drill it out as learnt in previous years knowledge. b) The concept of multiplying 10,100,1000 will be put in front of students. c) Students will be shown different number sets to multiply, divide and answer https://drive.google.com/file/d/11jGFXheNZn7iH8PxMUOZF0MhTcnfbZQg/view?usp=sharing
EXPLANATION VIDEO & DISCUSSION (8 MIN)	A video with an explanation can be shown to students. https://drive.google.com/file/d/17uSusQ_jyKCAgbqQ2MHBCLzW93hjql16/view?usp=sharing https://drive.google.com/file/d/17uSusQ_jyKCAgbqQ2MHBCLzW93hjql16/view?usp=sharing Teacher can explain the concept of multiplication and division with 10,100,1000 with the video and PPT https://drive.google.com/file/d/1Ba3-IWz1SdHflsRHq9KWHD0MLi4zVAi9/view?usp=sharing
CLASS ACTIVITY FOR STUDENTS (10 MIN)	a) Teacher will ask the students to work out in pairs and find the number of the puzzles b) Now step by step they can do the basic mental multiplication and division shown to them on smart board
ASSESSMENT (8 MIN)	An Activity sheet will be distributed in class and students will be asked to solve it.
CLOSURE (5 MIN)	Before winding up the class students will be shown 2 videos for their home assignment on operations with 10,100,1000. https://drive.google.com/file/d/11jGFXheNZn7iH8PxMUOZF0MhTcnfbZQg/view?usp=sharing
HOME LEARNING	1. Students will be asked to make a video on any of their experiences 2. Students will be asked to read text book and enjoy the trip situations and find total. Listen and learn times tables of multiplication
EXTERNAL RESOURCES	NCERT book Video from YouTube Video made by teacher for explanation.
IMPORTANT NOTE	Refer to the study material of the chapter. Sample LAT paper for this chapter.

Link of worksheets1-6 <https://drive.google.com/file/d/1whTFuRefqSOnCNE-9qcws8kwfNH0ls/view?usp=sharing>

**LESSON PLAN
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**SUBJECT-
MATHEMATICS**

DAY-2

TIME -40 MIN

UNIT/NAME OF THE LESSON	CHAPTER-3 A TRIP TO BHOPAL
LEARNING OBJECTIVE	To be able to recall the conversions of measures, To be able to do some simple basic operations using multiplication
CONCEPT OF THE DAY	Basic operations to find the time and cost
EXPECTED LEARNING OUTCOMES (ELO)	Students will be able to: 1. Make basic conversions 2. Guess the correct mathematical operation and find the time. 3. Perform simple multiplication and find the cost and time
TEACHING LEARNING MATERIAL (TLM)	PPT, Print outs, videos.
PREREQUISITE KNOWLEDGE	Place value chart and facts of multiplication and divisions
ASSESSMENT OF QUALIFYING KNOWLEDGE	Some puzzles will be shown to students on smart board and asked to guess the conversion, simple product from times table
TRANSACTION METHODOLOGY	
STARTER/ INTRODUCTION: (MIN)	a) Teacher will start the class with a discussion on trip to educational tour and ask the class to drill times table out as learnt in previous years https://www.youtube.com/watch?v=K9E2v8drfDs b) The concept of multiplying to find time will be put in front of students. c) Students will be shown different situation to multiply and answer
EXPLANATION VIDEO & DISCUSSION (8 MIN)	A video with an explanation can be shown to students. https://drive.google.com/file/d/1s8BEMOKTBcMLjPROHZy_Azs3s5ja9WPw/view?usp=sharing Teacher can explain the concept of multiplication https://drive.google.com/file/d/1Ba3-IWz1SdHfIsRHq9KWhd0MLi4zVAi9/view?usp=sharing
CLASS ACTIVITY FOR STUDENTS (10 MIN)	a) Teacher will ask the students to work out the activity sheet b) Now can-do multiplication and find the cost of fuel and time when the teacher explains with PPT
ASSESSMENT (8 MIN)	An Activity sheet will be distributed in class and students will be asked to solve it.
CLOSURE (5 MIN)	Before winding up the class students will be shown 2 videos and asked some quick puzzles
HOME LEARNING	1. Students will be asked to make a video on 3D objects as explained in the video 2. Students will be asked to make a cube and a cuboid. As shown in video 3. Times table listen and learn https://www.youtube.com/watch?v=K9E2v8drfDs
EXTERNAL RESOURCES	NCERT book Video from YouTube Video made by teacher for explanation.
IMPORTANT NOTE	Refer to the study material of the chapter. Sample LAT paper for this chapter.

Link of worksheets1-6 <https://drive.google.com/file/d/1whTFuRefqSOnCNE-9qcws8kwfNH0Is/view?usp=sharing>

**LESSON PLAN
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**SUBJECT-
MATHEMATICS**

DAY-3

TIME -40 MIN

UNIT/NAME OF THE LESSON	CHAPTER-3 A TRIP TO BHOPAL
LEARNING OBJECTIVE	To be able to understand to read year and time and write them To be able to do some simple multiplications and solve relevant puzzles
CONCEPT OF THE DAY	Computing by multiplying and guessing time
EXPECTED LEARNING OUTCOMES (ELO)	Students will be able to: 1. Read the year correctly enjoy correctly 2. Make products of the given numbers 3. Guess simple time puzzles
TEACHING LEARNING MATERIAL (TLM)	PPT, video explanations
PREREQUISITE KNOWLEDGE	Multiplication tables and addition mentally
ASSESSMENT OF QUALIFYING KNOWLEDGE	Some pictures will be shown to students on smart board and asked to guess the number.
TRANSACTION METHODOLOGY	
STARTER/ INTRODUCTION: (5MIN)	a) Teacher will start the class with a discussion of some instances happening in the past b) Ask the class to drill times table out as learnt in previous years knowledge. https://www.youtube.com/watch?v=K9E2v8drfDs c) Students will be shown different number sets to multiply and find the answer.
EXPLANATION VIDEO & DISCUSSION (8 MIN)	A video with an explanation of finding buses needed can be shown to students. https://drive.google.com/file/d/1p52ICTiD2FU5gU2TFrbXa9QOOsG2ly69/view?usp=sharing Teacher explains the concept of calculating time with the video https://drive.google.com/file/d/1WmlGOKtyZj7A_gz86yHqxDnX00OYqDZ9/view?usp=sharing
CLASS ACTIVITY FOR STUDENTS (10 MIN)	a) Teacher will ask the students to work out in pairs and get the products b) Now the class solve simple time related questions shown on the smart board.
ASSESSMENT (8 MIN)	A few cards of oral puzzles and an Activity sheet will be distributed in class and students will be asked to solve it.
CLOSURE (5 MIN)	Before winding up the class students will be shown multiplication video for completing their home assignment and a quick quiz show.
HOME LEARNING	1. Students will be asked to complete Activity Sheet as explained in the video 2. Students will be asked to make more puzzles related to time 3. Learn the times table https://www.youtube.com/watch?v=K9E2v8drfDs
EXTERNAL RESOURCES	NCERT book Video from YouTube Video made by teacher for explanation.
IMPORTANT NOTE	Refer to the study material of the chapter. Sample LAT paper for this chapter.

Link of worksheets1-6 https://drive.google.com/file/d/1wh_T_FuRefqSOnCNE-9qcws8kwfNH0ls/view?usp=sharing

**LESSON PLAN
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**SUBJECT-
MATHEMATICS**

DAY-4

TIME -40 MIN

UNIT/NAME OF THE LESSON	CHAPTER-3 A TRIP TO BHOPAL
LEARNING OBJECTIVE	To be able to understand place value chart and write the numbers they see To be able to do some simple basic operations
CONCEPT OF THE DAY	Solving Problems with basic operations
EXPECTED LEARNING OUTCOMES (ELO)	Students will be able to: 1. Write numerals 2. Find quotients 3. Perform simple subtractions and find the answer
TEACHING LEARNING MATERIAL (TLM)	PPT, Print outs, video
PREREQUISITE KNOWLEDGE	Place value chart and facts of subtractions
ASSESSMENT OF QUALIFYING KNOWLEDGE	Some puzzles will be shown to students on smart board and asked to guess the number. Times table random tests
TRANSACTION METHODOLOGY	
STARTER/ INTRODUCTION: (MIN)	a) Teacher will start the class with a discussion on the trip https://drive.google.com/file/d/1cfUqSpDEO9Q7JEXd9DPoj93KTBCGLmFH/view?usp=sharing and throw some numbers in the form of years and ask as per previous years knowledge. b) The concept of division will be put in front of students. c) Students will be shown different number sets of questions to find quotient.
EXPLANATION VIDEO & DISCUSSION (8 MIN)	A video with an explanation of division is shown to students. https://www.youtube.com/watch?v=gjqxhtjyfC4&t=73s Teacher can explain the concept of with the PPT and the videos in it https://drive.google.com/file/d/1WmlGOKtyZi7A_gz86yHqxDnX00OYqDZ9/view?usp=sharing
CLASS ACTIVITY FOR STUDENTS (10 MIN)	a) Teacher will ask the students to work out in pairs and find the answer of the puzzles b) Now one by one they can do the activity and then talk about the old drawings and find how old they areas shown in the smart board c) The students will find the real life problem of water level difference and left over bananas as explained on smart board
ASSESSMENT (8 MIN)	An Activity sheet will be distributed in class and students will be asked to solve it.
CLOSURE (5 MIN)	Before winding up the class students will be shown 2 videos for their home assignment
HOME LEARNING	1. Students will be asked to do the activity as shown in the video and explain any one type https://www.youtube.com/watch?v=3Yc3CPMpX2Q 2. Students will be asked to complete the activity and an array experiment for understanding division 3. Times table listening
EXTERNAL RESOURCES	NCERT book, Video from YouTube Video made by teacher for explanation.
IMPORTANT NOTE	Refer to the study material of the chapter. Sample LAT paper for this chapter.

Link of worksheets1-6 https://drive.google.com/file/d/1wh_T_FuRefqSONCNE-9qcws8kwfNH0Is/view?usp=sharing

**LESSON PLAN
CLASS-IV**

**SUBJECT-
MATHEMATICS**

DAY-5

TIME -40 MIN

UNIT/NAME OF THE LESSON	CHAPTER-3 A TRIP TO BHOPAL
LEARNING OBJECTIVE	To be able to understand basic operation to be performed, To be able to do some simple problem solving with some operations.
CONCEPT OF THE DAY	Problem Solving with basic operations
EXPECTED LEARNING OUTCOMES (ELO)	Students will be able to: 1. Make correct decision to choose the basic operation 2. Solve simple questions 3. Perform simple addition, subtraction, multiplication and division to find the answers
TEACHING LEARNING MATERIAL (TLM)	PPT, Print outs, video
PREREQUISITE KNOWLEDGE	Times table of multiplication and basic understanding skills
ASSESSMENT OF QUALIFYING KNOWLEDGE	Some puzzles will be shown to students on smart board and asked to guess the number. .
TRANSACTION METHODOLOGY	
STARTER/ INTRODUCTION: (5 MIN)	a) Teacher will start the class with some puzzles also ask the class to drill the times tables. https://www.youtube.com/watch?v=K9E2v8drfDs b) The concept of guessing basic operation is put in front of students. c) Students will be shown different sets of problems to multiply and divide then find the answer
EXPLANATION VIDEO & DISCUSSION (8 MIN)	A PPT with an explanation can be shown to students. https://drive.google.com/file/d/1WmlGOKtyZj7A_gz86yHqxDnX00OYqDZ9/view?usp=sharing Teacher can explain the concept of multiplication and division on the blackboard.
CLASS ACTIVITY FOR STUDENTS (10 MIN)	a) Teacher will ask the students to work out in pairs and find the basic operation b) Now step by step they will try to find if it is addition, multiplication or division for answering the problem shown to them on smart board
ASSESSMENT (8 MIN)	An Activity sheet will be distributed in class and students will be asked to solve it.
CLOSURE (5 MIN)	Before winding up the class students will be shown 2 some activity to make an array, tracing location to make the next trip
HOME LEARNING	1. Students will be asked to make a lapichart of the experiential learning activities 2. Students will be asked to drill tables and give answers in rapid fire quiz. 3. Learn the times table
EXTERNAL RESOURCES	NCERT book Video from YouTube Video made by teacher for explanation.
IMPORTANT NOTE	Refer to the study material of the chapter. Sample LAT paper for this chapter.

Link of worksheets1-6 https://drive.google.com/file/d/1wh_T_FuRefqSONCNE-9qcws8kwfNH0Is/view?usp=sharing

**LESSON PLAN
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DAY-6

TIME -40 MIN

UNIT/NAME OF THE LESSON	CHAPTER-3 A TRIP TO BHOPAL
LEARNING OBJECTIVE	To be able to read data, analyse it and solve problems, To be able to apply correct application and do some simple basic operations
CONCEPT OF THE DAY	Develop the Problem Solving Ability from the given data
EXPECTED LEARNING OUTCOMES (ELO)	Students will be able to: 1. Understand question and find correct answer with data given 2. Identify the correct basic operation needed to solve the problem 3. Perform simple addition, multiplication and division to solve the problem
TEACHING LEARNING MATERIAL (TLM)	PPT, Print outs, picture cards
PREREQUISITE KNOWLEDGE	Perform addition, multiplication and divisions and times tables
ASSESSMENT OF QUALIFYING KNOWLEDGE	Some puzzles will be shown to students on smart board and asked to guess the number. .
TRANSACTION METHODOLOGY	
STARTER/ INTRODUCTION: (MIN)	a) Teacher will start the class with some interesting puzzles , also ask the class to drill the times table https://www.youtube.com/watch?v=K9E2v8drfDs b) The concept of applying basic operation will be put in front of students. c) Students will be shown different number sets to add and answer
EXPLANATION VIDEO &DISCUSSION (8 MIN)	A video with a tour of Bhopal can be shown to students. https://www.youtube.com/watch?v=hJRFHQRR0SY Teacher can explain the clues to choose the correct basic operation with the PPT https://drive.google.com/file/d/1AHpMxcT6wg7iEPuKsms1cPxJsgDxhUxn/view?usp=sharing
CLASS ACTIVITY FOR STUDENTS (10 MIN)	a) Teacher will ask the students to work out in pairs and find the number of the puzzles b) Now step by step they can do the basic application also multiply and divide to solve problem shown to them on smart board c) Guess or compute the solution after referring the data
ASSESSMENT (8 MIN)	An Activity sheet will be distributed in class and students will be asked to solve it.
CLOSURE (5 MIN)	Before winding up the class students will be shown the clue words to understand the basic operation to be used to solve the problem.
HOME LEARNING	1. Students will be asked to read the lesson and find the solution for time matching 2. Students will be asked to complete the data handling problems given in the book. 3. Learn the times table https://www.youtube.com/watch?v=K9E2v8drfDs
EXTERNAL RESOURCES	NCERT book . Video from YouTube
IMPORTANT NOTE	Refer to the study material of the chapter. Sample LAT paper for this chapter.

Link of worksheets1-6 <https://drive.google.com/file/d/1whTFuRefqSONCNE-9qcws8kwfNH0ls/view?usp=sharing>