

CLASS – VIII
LESSON PLAN
CHAPTER 8: COMPARING QUANTITIES

Unit	Comparing Quantities (Chapter 8: Comparing quantities)
Class Transaction	Total: 14 periods (approx. 40 min each)
Pre-requisite for the course	This lesson requires 1. Use of mathematical operations like addition, subtraction, multiplication, division. 2. Knowledge of terms like selling, buying, saving. .
Assessment of qualifying knowledge	1. Written test 2. Lab activity 3. HW notebook
Objective	Students would be able to find ratio, of given numbers, convert ratio to percentage, convert percentage to ratio, solve problems on profit and loss including discount, marked price and selling price, induce the formula for finding C.I. Calculate the Amount and compound Interest using formula, thereby inculcating competencies like collaboration, critical thinking and creativity
Learning Outcomes	<u>KNOWLEDGE</u>- <i>Students will develop the ability to understand</i> 1. About the ratio and percentages. 2. Their conversion from one to another. 3. The step by step process to go about for word problems. SKILLS and COMPETENCIES_- <i>Students would be able to</i> 1. Develop the ability to analyze and solve problems on profit and loss. 2. Perform skills like multiplication, division, raise to the power and find out amount and CI and develop critical thinking and collaboration in the process.
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and	Strategies used- Inductive deductive reasoning, muddiest point discussion, think pair share. Dimensions Of Learning- D1,D2 Transaction would proceed in the following manner- <i>Brain Storming</i>-The class would start with a discussion on what the students have already learnt in the previous classes and hence what is

can use any other too.)	it that they would learn now. They would also be told the significance of the topic that they would be studying. <i>Introduction of the topic-</i> ppt and Digital Content would be shared <i>Guided practice followed by Independent Practice-</i> NCERT questions to be discussed in the classroom. Techniques to be used: Quiz Daily Practice Problem MCQ Peer Assessment Case Studies Lab Activities Any Other												
Resources	Text Book: NCERT text book for Mathematics Reference Book 1. CBSE Exemplar												
Self Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their H.W. notebooks. H.W. notebooks to be marked as per the given plan: <i>Assessment Parameters:</i> The total marks for the activity is 5 marks On time submission.....1 mark Presentation/ Neatness.....1 mark Content.....3 marks It is also advised that the students come to the class with proper background knowledge of the topic under discussion. They can refer to the resources stated above.												
Assessments	Through Pen Paper Test Students will be assessed creatively and critically <table> <tr> <td>4 UNIT TESTS</td> <td>20 Marks each</td> </tr> <tr> <td>HALF YEARLY EXAMINATION</td> <td>80 Marks</td> </tr> <tr> <td>ANNUAL BOARD EXAMINATION</td> <td>80 Marks</td> </tr> <tr> <td>INTERNAL ASSESSMENT</td> <td>10 Marks</td> </tr> <tr> <td>• Note Book Submission</td> <td>05 Marks</td> </tr> <tr> <td>• Lab Practical (Subject Enrichment)</td> <td>05 Marks</td> </tr> </table>	4 UNIT TESTS	20 Marks each	HALF YEARLY EXAMINATION	80 Marks	ANNUAL BOARD EXAMINATION	80 Marks	INTERNAL ASSESSMENT	10 Marks	• Note Book Submission	05 Marks	• Lab Practical (Subject Enrichment)	05 Marks
4 UNIT TESTS	20 Marks each												
HALF YEARLY EXAMINATION	80 Marks												
ANNUAL BOARD EXAMINATION	80 Marks												
INTERNAL ASSESSMENT	10 Marks												
• Note Book Submission	05 Marks												
• Lab Practical (Subject Enrichment)	05 Marks												

	Through lab Practical Students are assessed for Collaboration, Character building, Character Building
Addressing Classroom Diversity	Due to various social backgrounds and multiple intelligences, the classroom might be a diverse arena. The following techniques can be used for various groups: <i>For gifted students:</i> • Higher Level questions to be done • Encouragement for referring other resources <i>For weak students:</i> • Basic Level questions to be completed • Buddy help to be provided • Provide grade-up classes <i>For differently abled students:</i> • Ignore spelling mistakes and formulae, if not written • Call parents at regular intervals • Provide grade-up classes • Encourage and motivate them at every level.
Marks	The weightage would be given by CBSE.

Assessment questions
1. A shopkeeper purchased 200 bulbs for Rs.10 each. However 5 bulbs were fused and had to be thrown away. The remaining were sold at Rs 12 each. Find the gain or loss per cent. 2. A second hand Tv is for Rs 2500. And then Rs 500 was spent on its repair and sold for Rs 3300. Find profit/loss percent. 3. What amount has to paid to on a loan of Rs 12000 for $1\frac{1}{2}$ years at 10% per annum compounded half yearly. 4. The population of a city was Rs20,000 in 1997. It increased at the rate of 5% per annum. Find the population of city at the end of the year 2000. 5. A fan is marked at Rs 15600 and it is available for Rs 12480. Find the discount given and discount percent

DAY	ONE
Objective	Understand What are ratios and percentages
Assessment of qualifying knowledge	Quiz and knowledge testing on conversion of ratios to percentages.
Learning Outcomes	<u>KNOWLEDGE</u>- <i>Students will know and identify the units for finding out the ratio.</i> <u>SKILLS and COMPETENCIES</u> <i>Students would be able to Reason effectively and critically and will write down the conversion of ratio to percentage.</i>
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Strategies used- Think pair share. Dimensions Of Learning- D1,D2 Transaction would proceed in the following manner- Anticipatory Set: <u>10 min</u> Facilitator will ask few questions to introduce the topic • What is a ratio? • What is proportion? • What are units? Discussion of topic through Collaborative Learning: <u>15 min</u> <u>Inquiry based learning</u> (Critical Thinking and Problem Solving) Through question and answer students will revise ratio and percentages. Students will read Page 137 and 118 and will explain the meaning of conversion, ratios Guided practice: <u>10 min</u> The students will solve the questions from NCERT book, solved examples before Ex 8.1 in their notebook in the class with the help of their facilitator. The facilitator would take rounds and help the students in solving the questions. Independent Practice: Students will go through the solved examples before Ex 8.1 of NCERT text book. Closure: <u>5 min</u> A short oral test would be taken to check proper assimilation of the topic discussed.

Resources	Text Book: NCERT text book for Mathematics Reference Book 2. CBSE Exemplar
Self Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their H.W. notebooks.
Assessments	Oral Test (5 minutes)
DAY	TWO
Objective	Students will be able to find out required ratios and convert ratio to percentages in collaborative manner .
Assessment of qualifying knowledge	Written questions on conversion of ratio to percentage .
Learning Outcomes	<u>KNOWLEDGE</u>- <i>Students will know and Demonstrate the ability to know the method of finding ratios.</i> <u>SKILLS and COMPETENCIES</u>- <i>Students will be able to differentiate and identify the methods for conversion of ratio to percentages, in collaboration with each other.</i>
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Strategies used- Think pair share. Dimensions Of Learning- D1,D2 Transaction would proceed in the following manner- Recapitulation: <u>5 min</u> Brainstorming on the previously taught concept would be done. Discussion of topic through Collaborative Learning: <u>15 min</u> (Critical Thinking, Collaboration) Students will be given different expressions and will be asked to identify like terms in them and then perform the addition and subtraction of those expressions. Guided practice: <u>15 min</u> The students, with the help of the facilitator, will solve the questions from NCERT book of Exercise – 8.1, Q1,2 in their notebook in the class with the help of their teacher. The teacher would ensure that each student tries to be independent at the work as well as be under the teacher’s guidance. Independent Practice: Students will complete the remaining HW parts of Exercise 8.1 Q1,2 in their Math HW notebook. Students who would difficulty in solving the problem would solve with the help of their buddies.

	Closure: <u>5 min</u> A short oral test would be taken to check proper assimilation of the topic discussed.
Resources	Text Book: NCERT text book for Mathematics Reference Book 3. CBSE Exemplar
Self Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their H.W. notebooks.
Assessments	Oral quiz (5 minutes)
DAY	THREE
Objective	Students will be able to find out required ratios and convert ratio to percentages and solve related word problems in collaborative manner..
Assessment of qualifying knowledge	Written word problems on conversion of ratio to percentage .
Learning Outcomes	<u>KNOWLEDGE</u>- <i>Students will know and</i> Demonstrate the ability to know the method of finding ratios. <u>SKILLS and COMPETENCIES</u>- <i>Students will be able to</i> differentiate and identify the methods for conversion of ratio to percentages, in collaboration with each other.
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Strategies used- Muddiest point discussion, think pair share. Dimensions Of Learning- D1,D2 Transaction would proceed in the following manner- Recapitulation: <u>5 min</u> Oral test on the previous concept would be taken up. Discussion of topic through Collaborative Learning: <u>15 min</u> (Critical thinking) Examples related to exercise 8.1 Q3,4.would be discussed and students would solve different questions per group and then the questions would be crosschecked. Digital content would be used. The facilitator would take rounds and help students with their doubts. Guided Practice: <u>15 min</u> The students will solve the questions from NCERT book of Exercise – 8.1, Q3,4. in their notebook in the class with the help of their teacher.

	The teacher would ensure that each student tries to be independent at the work as well as be under the teacher's guidance. Independent Practice: Students will complete the remaining HW parts of Exercise 8.1 Q3,4. in their Math HW notebook. Closure: 5 min A short oral test would be taken to check proper assimilation of the topic discussed.
Resources	Text Book: NCERT text book for Mathematics Reference Book 4. CBSE Exemplar
Self Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their H.W. notebooks.
Assessments	MCQ (5 minutes)
DAY	FOUR
Objective	To understand the increase and decrease per cent.
Assessment of qualifying knowledge	Written test on the increase and decrease per cent.
Learning Outcomes	<u>KNOWLEDGE</u>- Students will develop the ability to understand the concept of increase or decrease of percentages <u>SKILLS and COMPETENCIES</u> - Students would be able to critically apply the concepts in given situations and collaboratively perform the concept on the given questions
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Strategies used- Think pair share. Dimensions Of Learning- D1,D2 Transaction would proceed in the following manner- Recapitulation: 5 min Quick revision on the previous concept would be taken up. Discussion of topic through Collaborative Learning: 15 min (Creativity, Collaboration) Examples related to exercise 8.2 would be discussed and students would solve different questions per group and then the questions would be crosschecked. Digital content would be used. The facilitator would take rounds and help students with their doubts. Guided Practice: 15 min The students will solve the questions from NCERT book of Exercise – 8.2, Q1,3. in their notebook in the class with the help of their teacher.

	The teacher would ensure that each student tries to be independent at the work as well as be under the teacher's guidance. Independent Practice: Students will complete the remaining HW parts of Exercise 8.2 . in their Math HW notebook. Closure: <u>5 min</u> Discussion of muddiest point. .
Resources	Text Book: NCERT text book for Mathematics Reference Book 5. CBSE Exemplar
Self Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their H.W. notebooks.
Assessments	Written test (5 minutes)
DAY	FIVE
Objective	To understand the increase and decrease per cent.
Assessment of qualifying knowledge	MCQ on increase and decrease per cent. .
Learning Outcomes	<u>KNOWLEDGE</u>- Students will develop the ability to understand the concept of increase or decrease of percentages <u>SKILLS and COMPETENCIES</u> - Students would be able to critically apply the concepts in given situations and collaboratively perform the concept on the given questions
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Strategies used- Inductive deductive reasoning Dimensions Of Learning- D1,D2 Transaction would proceed in the following manner- Recapitulation: <u>5 min</u> Quick revision on the previous concept would be taken up. Discussion of topic through Collaborative Learning: <u>15 min</u> (Creativity, Collaboration) Using knowledge of %, students will be helped to derive formulae for calculating (i) C.P. when S.P. and profit or loss % is given, (ii) S.P. when C.P. and profit and loss% are given Guided Practice: <u>15 min</u> The students will solve the questions from NCERT book of Exercise – 8.2, Q5. in their notebook in the class with the help of their teacher.

	The teacher would ensure that each student tries to be independent at the work as well as be under the teacher's guidance. Independent Practice: Students will complete the remaining HW parts of Exercise 8.2 . in their Math HW notebook. Closure: <u>5 min</u> Discussion of muddiest point. .
Resources	Text Book: NCERT text book for Mathematics Reference Book 6. CBSE Exemplar
Self Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their H.W. notebooks.
Assessments	MCQ (5 minutes)
DAY	SIX
Objective	To understand the meaning of terms like cost price, selling price, profit, loss.
Assessment of qualifying knowledge	Written test on profit loss word problems.
Learning Outcomes	<u>KNOWLEDGE</u>- Students will know and understand the meaning of terms like cost price, selling price, profit, loss. <u>SKILLS and COMPETENCIES</u> - Students would be able to 1. Apply the given knowledge with 100 % accuracy 2. Creatively form questions related to the concept and also solve them.
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Strategies used- Think pair share. Dimensions Of Learning- D1,D2 Transaction would proceed in the following manner- Recapitulation: <u>5 min</u> Oral test would be taken. Discussion of topic through Collaborative Learning: <u>15 min</u> (Critical Thinking) cost price, sale price, profit and loss, practical problems on profit and lossGuided Practice:<u>15 min</u> The students will solve the example questions from NCERT book related to Exercise – 8.2 in their notebook in the class with the help of their facilitator. Independent Practice: Students will complete the remaining HW parts of Exercise 8.2 in their Math HW notebook.

	Closure: <u>5 min</u> Summarization, preferably by a student, would be taken to check proper assimilation of the topic discussed. .
Resources	Text Book: NCERT text book for Mathematics Reference Book 7. CBSE Exemplar
Self Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their H.W. notebooks.
Assessments	Written test (5 minutes)
DAY	SEVEN
Objective	To learn the concept of discount
Assessment of qualifying knowledge	Written test on profit loss word problems.
Learning Outcomes	<u>KNOWLEDGE</u>- <i>Students will know and understand</i> 1. The usage and importance of discount. <u>SKILLS and COMPETENCIES</u> - <i>Students would be able to</i> 1. Solve word problems of profit loss and discount.
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Strategies used- Muddiest point discussion Dimensions Of Learning- D1,D2 Transaction would proceed in the following manner- Recapitulation: <u>5 min</u> Warming session would be taken. Discussion of topic through Collaborative Learning: <u>15 min</u> (Critical thinking, communication) Solved examples from the book would be taken up. Guided Practice: <u>20 min</u> The students will solve the questions from NCERT book of Exercise – 8.2 Q9 in their notebook in the class with the help of their facilitator. The facilitator would explain the questions from Ex 8.2 with a collaborative approach towards them. Independent Practice: Students will complete the remaining HW parts of Exercise 8.2 in their Math HW notebook. Closure: <u>5 min</u>

	Summarization, preferably by a student, would be taken to check proper assimilation of the topic discussed. .
Resources	Text Book: NCERT text book for Mathematics Reference Book 8. CBSE Exemplar
Self Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their H.W. notebooks.
Assessments	Written test (5 minutes)
DAY	EIGHT
Objective	To learn the concept of sales tax and value added tax
Assessment of qualifying knowledge	Written test on profit and loss questions.
Learning Outcomes	<u>KNOWLEDGE</u> - <i>Students will know and understand</i> 1. the concept of sales tax and value added tax . <u>SKILLS and COMPETENCIES</u> - <i>Students would be able to</i> 1. Critically solve profit and loss questions.
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Strategies used- Think pair share. Dimensions Of Learning- D1,D2 Transaction would proceed in the following manner- Recapitulation: 5 min One-minute test would be taken. Discussion of topic through Collaborative Learning: 15 min (Creativity) . Through discussions and several examples, the concept of sales tax and value added tax will be explained to the students. The worked out examples in the book to be discussed Guided Practice: 15 min The students will solve the questions from NCERT book of Exercise – 8.2 Q10 in their notebook in the class with the help of their facilitator. The facilitator would explain the questions from Ex 9.3 with a collaborative approach towards them. Independent Practice: Students will complete the remaining HW parts of Exercise 8.2 in their Math HW notebook. Closure: 5 min Summarization, preferably by a student, would be taken to check proper assimilation of the topic discussed. .

Resources	Text Book: NCERT text book for Mathematics Reference Book 9. CBSE Exemplar
Self-Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their H.W. notebooks.
Assessments	Written test (5 minutes)
DAY	NINE
Objective	Learning identities using multiplication of polynomials.
Assessment of qualifying knowledge	Oral test on identities learnt.
Learning Outcomes	<u>KNOWLEDGE</u> - <i>Students will know what simple and compound interest is</i> <u>SKILLS and COMPETENCIES</u> - <i>Students would be able to</i> 2. Apply critically the knowledge meaningfully and creatively. 3. Differentiate between simple and compound interest.
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Strategies used- Think pair share. Dimensions Of Learning- D1,D2,D3 Transaction would proceed in the following manner- Recapitulation: 5 min Oral test would be taken. Discussion of topic through Collaborative Learning: 10 min (Communication and critical thinking) Discussion of the formula for finding simple interest, followed by group discussion on difference between simple interest and compound interest Guided Practice: 20 min The teacher, as a facilitator, would explain the questions from examples solved Before Ex 8.3. Collaborative approach will be taken up towards them so that the facilitator would help them with their doubts. Independent Practice: Students will revise and resolve the example questions in their Math HW notebook. Closure: 5 min Summarization, preferably by a student, would be taken to check proper assimilation of the topic discussed. .
Resources	Text Book:

	NCERT text book for Mathematics Reference Book 10. CBSE Exemplar
Self-Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their H.W. notebooks.
Assessments	Oral test (5 minutes)
DAY	TEN
Objective	To solve the questions from NCERT book of Exercise – 8.3
Assessment of qualifying knowledge	MCQ test on profit loss, simple and compound interest
	apply the knowledge meaningfully and creatively.
Learning Outcomes	<u>KNOWLEDGE</u>- Students will know and understand the concept of simple interest and compound interest. <u>SKILLS and COMPETENCIES</u> - Students would be able to Solve word problems related to simple and compound interest
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Strategies used- Think pair share. Dimensions Of Learning- D1,D2 Transaction would proceed in the following manner- Recapitulation: 5 min Warming session would be taken. Discussion of topic through Collaborative Learning: 15 min (Critical thinking, communication) Solved examples from the book would be taken up. Guided Practice: 20 min The students will solve the questions from NCERT book of Exercise – 8.3 Q1 in their notebook in the class with the help of their facilitator. The facilitator would explain the questions from Ex 8.3 Q1 with a collaborative approach towards them. Independent Practice: Students will complete the remaining HW parts of Exercise 8.3 Q1 in their Math HW notebook. Closure: 5 min Summarization, preferably by a student, would be taken to check proper assimilation of the topic discussed. .
Resources	Text Book: NCERT text book for Mathematics Reference Book

	11. CBSE Exemplar
Self-Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their H.W. notebooks.
Assessments	MCQ test (5 minutes)
DAY	ELEVEN
Objective	To solve the questions from NCERT book of Exercise – 8.3
Assessment of qualifying knowledge	MCQ test on profit loss, simple and compound interest
	Apply the concepts and evaluate the given questions with 90% accuracy
Learning Outcomes	<u>KNOWLEDGE</u>- <i>Students will know and understand the concept of simple interest and compound interest.</i> <u>SKILLS and COMPETENCIES</u> - <i>Students would be able to</i> Solve word problems related to simple and compound interest
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Strategies used- Think pair share. Dimensions Of Learning- D1,D2 Transaction would proceed in the following manner- Recapitulation: <u>5 min</u> Warming session would be taken. Discussion of topic through Collaborative Learning: <u>15 min</u> (Critical thinking, communication) Solved examples from the book would be taken up. Guided Practice: <u>20 min</u> The students will solve the questions from NCERT book of Exercise – 8.3 Q3,5 in their notebook in the class with the help of their facilitator. The facilitator would explain the questions from Ex 8.3 with a collaborative approach towards them. Independent Practice: Students will complete the remaining HW parts of Exercise 8.3 in their Math HW notebook. Closure: <u>5 min</u> Summarization, preferably by a student, would be taken to check proper assimilation of the topic discussed. .
Resources	Text Book: NCERT text book for Mathematics Reference Book 12. CBSE Exemplar

Self-Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their H.W. notebooks.
Assessments	MCQ test (5 minutes)
DAY	TWELVE
Objective	To solve the questions from NCERT book of Exercise – 8.3
Assessment of qualifying knowledge	MCQ test on profit loss, simple and compound interest
	Apply the concepts and evaluate the given questions with 90% accuracy
Learning Outcomes	<u>KNOWLEDGE</u>- Students will know and understand the concept of simple interest and compound interest. <u>SKILLS and COMPETENCIES</u> - Students would be able to Solve word problems related to simple and compound interest 1.
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Strategies used- Muddiest point discussion. Dimensions Of Learning- D1,D2 Transaction would proceed in the following manner- Recapitulation: 5 min Oral Test would be taken up. Discussion of topic through Collaborative Learning: 15 min (Critical and creative thinking) Simplification using identities. Guided Practice: 15 min The students, with the help of the facilitator, will solve the questions from NCERT book of Exercise 8.3 Q7,9 in their notebook in the class with the help of their teacher. Independent Practice: Students will complete the remaining HW parts of Exercise 8.3 in their Math HW notebook. Closure: 5 min Summarization, preferably by a student, would be taken to check proper assimilation of the topic discussed.
Resources	Text Book: NCERT text book for Mathematics Reference Book 13. CBSE Exemplar
Self-Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their H.W. notebooks.

Assessments	Quiz (5 minutes)
DAY	THIRTEEN
Objective	To solve the questions from NCERT book of Exercise – 8.3
Assessment of qualifying knowledge	Oral test on formulas.
Learning Outcomes	<u>KNOWLEDGE</u>- Students will know and understand the concept of simple interest and compound interest. <u>SKILLS and COMPETENCIES</u> - Students would be able to Solve word problems related to simple and compound interest
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Strategies used- Think pair share. Dimensions Of Learning- D1,D2 Transaction would proceed in the following manner- Recapitulation: <u>5 min</u> Oral Test would be taken up. Discussion of topic through Collaborative Learning: <u>15 min</u> Application of identities. Guided Practice: <u>15 min</u> (Communication) The students, with the help of the facilitator, will solve the questions from NCERT book of Ex 8.3 Q11 in their notebook in the class with the help of their teacher. Independent Practice: Students will complete the remaining HW parts of Exercise 8.3 in their Math HW notebook. Closure: <u>5 min</u> Summarization would be taken to check proper assimilation of the topic discussed.
Resources	Text Book: NCERT text book for Mathematics Reference Book 14. CBSE Exemplar
Self-Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their H.W. notebooks.
Assessments	Oral test (5 minutes)
DAY	FOURTEEN
Objective	Solving various levels of questions

Assessment of qualifying knowledge	Oral test on various concepts being used in chapter.
Learning Outcomes	<u>KNOWLEDGE</u>- <i>Students will know and understand</i> 1. Various concepts being applied on algebraic expressions. <u>SKILLS and COMPETENCIES</u> - <i>Students would be able to</i> 1. Recall the concepts and terms being used in chapter to solve the questions. 2. Critically Apply and solve the questions of various levels.
Transaction Methodology (The teacher can use the mentioned techniques, wherever applicable, and can use any other too.)	Strategies used- Think pair share. Dimensions Of Learning- D1,D2 Transaction would proceed in the following manner- Recapitulation: <u>5 min</u> Oral Test would be taken up. Discussion of topic through Collaborative Learning: <u>10 min</u> (Critical) Basic level questions would be taken up. Guided Practice: <u>20 min</u> The teacher would explain the questions from the basic level questions. Independent Practice: Students would try higher level questions. Closure: <u>5 min</u> Summarization, preferably by a student, would be taken to check proper assimilation of the topic discussed. .
Resources	Text Book: NCERT text book for Mathematics Reference Book 15. CBSE Exemplar
Self-Study, Home Work, Assignments	Independent Practice: Students would do the given questions in their H.W. notebooks.
Assessments	Oral test (5 minutes)