

Class: VII	Subject: Mathematics	Day:1	Time duration:40 min
Name of the lesson/ unit	Ch-7 Congruence of triangle		
Topic/lesson	• Congruence through superposition • Congruence of simple geometrical shapes like lines, angles, circle and Triangles		
Learning Objective	Students will be able to explore: • Congruence through superposition • Congruence of simple geometrical shapes • Criteria of congruence of triangles(SSS,SAS,ASA,RHS)		
Expected learning outcomes:	Students will be able to examine whether given figures are congruent or not using superposition.		
Common misconception (if any):	Don't understand the meaning of superimposition		
Prerequisite knowledge:	Knowledge of Shape of triangle and types of triangle		
Assessment of qualifying knowledge:	Test will be conducted on types of triangle on the basis of side and angle		
Transaction methodology			
Starter/ warm up: Questioning(Verbal) (3 Min)	Oral questions will be asked Teacher will show cut outs of some figures to show superposition.		
Flipped video : 10 min Direct Teaching (Time : 10 min.) <i>Independent work by students :10 min</i>	Teacher will show module to the students to introduce the topic and will collect the responses of the students from starter activity to describe them Congruence of simple geometrical shapes . Also explanation of topic will be done through discussion method. Students will do Ex-7.1 Q1 in book.Teacher will then discuss it.		

Closure/ Plenary(Think Pair and Share) N.B: (2 Min)	<i>Role play will be done to</i>
Home Learning	From book Assignment will be given
Resources	NCERT Book of Mathematics for Class VII Flipped video



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Class: VII	Subject: Mathematics	Day:2	Time duration:40 min
Name of the lesson/ unit	Ch-7 Congruence of triangle		
Topic/lesson	Congruence criteria SSS		
Learning Objective	Students will be able to explore: • Congruence through superposition • Congruence of simple geometrical shapes • Criteria of congruence of triangles(SSS,SAS,ASA,RHS)		
Expected learning outcomes:	Students will be able to examine whether given figures are congruent or not using SSS Criteria and will also be able to generalize SSS criterion.		
Common misconception (if any):	Not able to understand the concept of SSS congruency		
Prerequisite knowledge:	Knowledge of Shape of triangle and types of triangle		
Assessment of qualifying knowledge:	Test will be conducted on types of triangle on the basis of side and angle		
Transaction methodology			
Starter/ warm up: Questioning(Verbal) (5 Min)	Teacher will play a game with students(similar to Talk a mile) where she will give hints to the students till they are able to draw a triangle on white board.		

Flipped video : 10 min Direct Teaching (Time : 10 min.) Independent work by students :10 min	Teacher will show module to the students to introduce the topic and will collect the responses of the students from starter activity to describe them SSS criteria . Also explanation of Example 3 will be done .(COPY) Students will do Questions from book .Teacher will do facilitation
Closure/ Plenary(Think Pair and Share) N.B: (5 Min)	Take one minute:Compose 2 statements in your head to explain what we have learnt and how we have learnt?
Home Learning	From book Assignment will be given
Resources	NCERT Book of Mathematics for Class VII Flipped video



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Class: VII	Subject: Mathematics	Day:3	Time duration:40 min
Name of the lesson/ unit	Ch-7 Congruence of triangle		
Topic/lesson	Congruence criteria SAS		
Learning Objective	Students will be able to explore: • Congruence through superposition • Congruence of simple geometrical shapes Criteria of congruence of triangles(SSS,SAS,ASA,RHS)		
Expected learning outcomes:	Students will be able to examine whether given figures are congruent or not using SAS Criteria and will also be able to generalize SAS criterion.		
Common misconception (if any):	not able to understand the concept of SAS congruency		
Prerequisite knowledge:	Knowledge of Shape of triangle and types of triangle		
Assessment of qualifying knowledge:	Test will be conducted on types of triangle on the basis of side and angle		

Transaction methodology	
Starter/ warm up: Questioning(Verbal) (3 Min)	Teacher will play a game with students(similar to Talk a mile) where she will give hints to the students till they are able to draw a triangle on white board.(Page 141 NCERT)
Flipped video :10 min Direct Teaching (Time : 10 min.) Independent work by students :10 min	Teacher will show Flipped video to the students to introduce the topic and will collect the responses of the students from starter activity to describe them SAS criteria Also explanation of few Example will be done in copy. Students will do Questions from book (IN notebook) .Teacher will do facilitation.
Closure/ Plenary Group activity: (2 Min)	<i>A group activity will be done using post-it notes</i>
Home Learning	From book Assignment will be given
Resources	NCERT Book of Mathematics for Class VII Lab Activity by post it notes Flipped video



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Class: VII	Subject: Mathematics	Day:4	Time duration:40 min
Name of the lesson/ unit	Ch-7 Congruence of triangle		
Topic/lesson	Congruence criteria ASA		
Learning Objective	Students will be able to explore: • Congruence through superposition • Congruence of simple geometrical shapes Criteria of congruence of triangles(SSS,SAS,ASA,RHS)		

Expected learning outcomes:	Students will be able to examine whether given figures are congruent or not using ASA Criteria and will also be able to generalize ASA criterion
Common misconception (if any):	not able to understand the concept of ASA congruency
Prerequisite knowledge:	Knowledge of Shape of triangle and types of triangle
Assessment of qualifying knowledge:	Test will be conducted on types of triangle on the basis of side and angle
Transaction methodology	
Starter/ warm up: Questioning(Verbal) (3 Min)	Teacher will EXTEND the same game to play with students(similar to Talk a mile) where she will give hints to the students till they are able to draw a triangle on white board.(Page 144 NCERT)
Flipped video(10 min) Direct teaching 10 min Independent work by students : 10 min	Teacher will show Flipped video to the students to introduce the topic and will collect the responses of the students from starter activity to describe them ASA . Also explanation of EXAMPLE would be done in cw copy. Students will do questions from book in copy.Teacher will then discuss it.
Closure/ Plenary(Think Pair and Share) N.B: (2 Min)	List three things that you have learnt so far in your notebook on level of their importance to you.The most important should be on first.
Home Learning	From book Assignment will be given
Resources	NCERT Book of Mathematics for Class VII Flipped video



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Class: VII	Subject: Mathematics	Day:5	Time duration:40 min
Name of the lesson/ unit	Ch-7 Congruence of triangle		
Topic/lesson	Congruence criteria RHS		

Learning Objective	Students will be able to explore: • Congruence through superposition • Congruence of simple geometrical shapes Criteria of congruence of triangles(SSS,SAS,ASA,RHS)
Expected learning outcomes:	• Students will be able to examine whether given figures are congruent or not using RHS Criteria and will also be able to generalize RHS criterion . • Students will be able to differentiate between different Congruency criteria
Common misconception (if any):	not able to understand the concept of RHS congruency
Prerequisite knowledge:	Knowledge of Shape of triangle and types of triangle
Assessment of qualifying knowledge:	Test will be conducted on types of triangle on the basis of side and angle
Transaction methodology	
Starter/ warm up: Questioning(Verbal) (3 Min)	Teacher will ask students some questions after drawing a figure
<i>Flipped video(10 min)</i> <i>Direct teaching 10 min</i> <i>Independent work by students : 10 min</i>	Teacher will show Flipped video to the students to introduce the topic and will collect the responses of the students from starter activity to describe them RHS . Also explanation of EXAMPLE and Questions from book would be done in cw copy. Students will do questions from book in copy.Teacher will then discuss it.
Closure/ Plenary(Think Pair and Share) N.B: (2 Min)	Draw Compare and contrast difference and similarities b/w RHS & SAS using bubble –bubble method. Teacher will explicit a pattern on the board.
Home Learning	From book Assignment will be given
Resources	NCERT Book of Mathematics for Class VII Flipped video