



Sri Sathya Sai
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Chapter Teaching Plan

Teacher(s) Teacher 1: Debendra Nath Patra-Bhawanipatna Teacher 2: Manju B-Nemilichery Teacher 3:	School(s) : School 1: OD - Sri Sathya Sai Vidya Vihar, Bhawanipatna School 2: TN - Sri Sathya Sai Institute of Educare, Nemilichery, Chennai
Board CBSE	Standard : 8
Subject : Mathematics	Chapter: Rational number
# of Periods : 3	Academic Coordinators: AC 1: Rajani Chandramouli AC 2: Pushpa Krishnan

Learning Objectives:

List the learning outcomes the students will attain through the content and activities in this chapter.

Students will be able to know about Rational numbers and their use in daily life

Values and Dispositions:

[Mention 1 or 2 values you want to bring out through this chapter; you can also mention the value provided in the Value Content asset]

Students will be able to know about sharing of responsibility and appreciate the team work

Competencies:

(Mention any 1 or 2 competencies that the student has been enabled to attain through the learning outcomes in this chapter)

C-1.4 Explores and understands sets of numbers, such as whole numbers, fractions, integers, rational numbers, and real numbers, and their properties, and visualises them on the number line

LTM Planning:

Your plan may include the following:

- Mention the concepts in the chapter for which you plan to use LTMs
- Identify LTM
- Materials you require for the LTM
- Prior preparation required

Cards of small size; sketch pen



— Period # 1 —

Each period may consist of four or more of the following :

1. LTM (Learning Teaching Material)
2. Class Starter
3. Previous knowledge recall
4. Methodology #1
5. Methodology #2
6. Wrap-up or Recap
7. Follow-up (Assessment, assignment, worksheet, home work, project work)

P#1- 1.1 TLM: Mention the LTM you plan to use in this period

No LTM

P#1-1.2 Class Starter: Class starters can be short openers to your class. You may use IQ, DD, IA, or VC assets. Mention the asset name. You could enable interaction using a TLM. Other ideas are two-minute reading, show-and-talk, short story, pop quiz and so on. Give the SSSVV asset name you want to use or your idea. Mention here if you plan to use an LTM during Class Starter. How would you effectively achieve the LO using this asset/idea?

Eg. IA_Differences and Commonalities

I will tell a story. Many many years ago there was a rich farmer having many cows. He noticed for many days that the number of cows were changing every day. After a lot of effort he found a solution. He kept one stone for each cow and kept the stones in a bag. Every morning he counted the stones to see how many cows were present and in the evening he again counted the cows with the help of stones. He checked his herd's numbers with the help of stones. This is how counting began in ancient days.

Teacher Tasks:

Mention:

- * Any specific action points like instructions you would give or tools or techniques you may use
- * Any probing or open-ended questions you may want to ask
- * Demonstrations you would like to do

Questions: Is it a good step? How did it help the farmer?

Student Task:

Mention the specific actions students will engage in

Students will try to give the answer



Duration (in minutes):

5

P#1-1.3 Checking Previous Knowledge:

You may use any small technique or tool such as KWL or entry ticket to check previous knowledge. This could also be a class starter. You could use a few questions from the QA asset or interactive quiz on LMS. Connect to something very situational or contextual for the students. Please enter your plan/idea.

I will ask some questions like what would happen if we have no idea about numbers

Duration (in minutes):

2

P#1-1.4.1 Methodology - Plan or Idea (SSSVV Asset or your idea)

Mention the asset title selected or your idea.

MS_Introduction to Rational Numbers
https://learning.srisathyaavidyavahini.org/pluginfile.php/2896/mod_folder/content/0/Teaching%20Aids/03_MS_Introduction%20to%20rational%20numbers.pptx?forcedownload=1

Teacher Tasks:

If you're not using an SSSVV Asset here, please mention any specific questions you will ask or instructions you will give

Will enable a discussion

Student Task:

Mention the specific actions students will engage in

Students will participate in the discussion

Duration (in minutes):

20

P#1-1.4.1 Methodology 2 - Plan or Idea (SSSVV Asset or your idea)

Mention the asset title selected or your idea.

VC_Sharing Responsibilities



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https://learning.srisathyasaividya vahini.org/pluginfile.php/2896/mod_folder/content/0/Teaching%20Aids/11_VC_Sharing%20of%20responsibilities.pptx?forcedownload=1

Period # 1 Methodology # 2 Teacher Tasks:

If you're not using an SSSVV Asset here, please mention any specific questions you will ask or instructions you will give

Will enable a discussion

Period # 1 Methodology # 2 Student Task:

Mention the specific actions students will engage in

Students will participate in the discussion

Period # 1 Methodology # 2 Duration (in minutes):

5

P#1-1.5 Recap or wrap-up Plan

How are you planning to recap or wrap-up to ensure that students have grasped what was taught in this period or the Key learning points? You may use part of a VV asset or your own idea.

Period # 1 - Recap/Wrap Up Plan or Idea

IQ_ Think hard and Answer

https://learning.srisathyasaividya vahini.org/pluginfile.php/2896/mod_folder/content/0/Teaching%20Aids/15_IQ_Think%20hard%20and%20answer.pptx?forcedownload=1

Period # 1 - Recap/Wrap Up Student Task

Mention any task you have planned for students to know their learning takeaway for this period.

I will give some exercise questions as homework

Period # 1 Recap/Wrap Up Duration (in minutes):

5

P#1- 1.6 Follow-up activity for this period

Mention what small assignment you would give your students. It could be a non-conventional assessment activity, a worksheet or exercise questions from the textbook or QA Asset.



Period # 1 - Follow-up Activity Plan or Idea

I will ask some related questions

Period # 1 Follow-up Activity Duration (in minutes):

3

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— Period # 2 —

Each period may consist of four or more of the following :

1. LTM (Learning Teaching Material)
2. Class Starter
3. Previous knowledge recall
4. Methodology #1
5. Methodology #2
6. Wrap-up or Recap
7. Follow-up (Assessment, assignment, worksheet, home work, project work)

P#2- 1.1 TLM: Mention the LTM you plan to use in this period

Cards of small size; sketch pen and note book

P#2-1.2 Class Starter: Class starters can be short openers to your class. You may use IQ, DD, IA, or VC assets. Mention the asset name. You could enable interaction using a TLM. Other ideas are two-minute reading, show-and-talk, short story, pop quiz and so on. Give the SSSVV asset name you want to use or your idea. Mention here if you plan to use an LTM during Class Starter. How would you effectively achieve the LO using this asset/idea?

Eg. IA_Differences and Commonalities

https://learning.srisathyasaividyaahini.org/pluginfile.php/2896/mod_folder/content/0/Teaching%20Aids/15_IQ_Think%20hard%20and%20answer.pptx?forcedownload=1

Teacher Tasks:

Mention:

- * Any specific action points like instructions you would give or tools or techniques you may use
- * Any probing or open-ended questions you may want to ask
- * Demonstrations you would like to do

Can a rational number be represented on a number line

Student Task:

Mention the specific actions students will engage in

Students will give the answer

Duration (in minutes):

2



P#2-1.3 Checking Previous Knowledge:

You may use any small technique or tool such as KWL or entry ticket to check previous knowledge. This could also be a class starter. You could use a few questions from the QA asset or interactive quiz on LMS. Connect to something very situational or contextual for the students. Please enter your plan/idea.

https://learning.srisathyaavidyavahini.org/pluginfile.php/2896/mod_folder/content/0/Teaching%20Aids/16_QA_Find%20the%20rational%20numbers%20between%20two%20rational%20numbers.pptx?forcedownload=1

Duration (in minutes):

3

P#2-1.4.1 Methodology - Plan or Idea (SSSVV Asset or your idea)

Mention the asset title selected or your idea.

https://learning.srisathyaavidyavahini.org/pluginfile.php/2896/mod_folder/content/0/Teaching%20Aids/02_SA_Classification%20of%20numbers.pptx?forcedownload=1

Teacher Tasks:

If you're not using an SSSVV Asset here, please mention any specific questions you will ask or instructions you will give

Will be a facilitator

Student Task:

Mention the specific actions students will engage in

Students will be engaged in classification of numbers

Duration (in minutes):

20

P#2-1.4.1 Methodology 2 - Plan or Idea (SSSVV Asset or your idea)

Mention the asset title selected or your idea.

https://learning.srisathyaavidyavahini.org/pluginfile.php/2896/mod_folder/content/0/Teaching%20Aids/06_DD_Uses%20of%20rational%20numbers.pptx?forcedownload=1



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Period # 2 Methodology # 2 Teacher Tasks:

If you're not using an SSSVV Asset here, please mention any specific questions you will ask or instructions you will give

Will enable a discussion

Period # 2 Methodology # 2 Student Task:

Mention the specific actions students will engage in

Students will participate in the discussion

Period # 2 Methodology # 2 Duration (in minutes):

5

P#2-1.5 Recap or wrap-up Plan

How are you planning to recap or wrap-up to ensure that students have grasped what was taught in this period or the Key learning points? You may use part of a VV asset or your own idea.

Period # 2 - Recap/Wrap Up Plan or Idea

I will write different numbers on the black board and students will identify natural numbers; whole numbers; Integers and rational number

Period # 2 - Recap/Wrap Up Student Task

Mention any task you have planned for students to know their learning takeaway for this period.

Students will give answer

Period # 2 Recap/Wrap Up Duration (in minutes):

5

P#2- 1.6 Follow-up activity for this period

Mention what small assignment you would give your students. It could be a non-conventional assessment activity, a worksheet or exercise questions from the textbook or QA Asset.

Period # 2 - Follow-up Activity Plan or Idea

I will give some exercise questions as homework



Period # 2 Follow-up Activity Duration (in minutes):

2

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— Period # 3 —

Each period may consist of four or more of the following :

1. LTM (Learning Teaching Material)
2. Class Starter
3. Previous knowledge recall
4. Methodology #1
5. Methodology #2
6. Wrap-up or Recap
7. Follow-up (Assessment, assignment, worksheet, home work, project work)

P#3- 1.1 TLM: Mention the LTM you plan to use in this period

Trousers; shirt and shoes

P#3-1.2 Class Starter: Class starters can be short openers to your class. You may use IQ, DD, IA, or VC assets. Mention the asset name. You could enable interaction using a TLM. Other ideas are two-minute reading, show-and-talk, short story, pop quiz and so on. Give the SSSVV asset name you want to use or your idea. Mention here if you plan to use an LTM during Class Starter. How would you effectively achieve the LO using this asset/idea?

Eg. IA_Differences and Commonalities

Demonstration : (1) Wearing trousers and shirt (2) Wearing trousers and shoes.

Teacher Tasks:

Mention:

- * Any specific action points like instructions you would give or tools or techniques you may use
- * Any probing or open-ended questions you may want to ask
- * Demonstrations you would like to do

Q :Can we change the order of the activity

Student Task:

Mention the specific actions students will engage in

Students will participate in the discussion and give answer

Duration (in minutes):

5

P#3-1.3 Checking Previous Knowledge:



You may use any small technique or tool such as KWL or entry ticket to check previous knowledge. This could also be a class starter. You could use a few questions from the QA asset or interactive quiz on LMS. Connect to something very situational or contextual for the students. Please enter your plan/idea.

https://learning.srisathyasaividya vahini.org/pluginfile.php/2896/mod_folder/content/0/Teaching%20Aids/08_IA_Interesting%20Facts%20about%20commutative%20property.pptx?forcedownload=1

Duration (in minutes):

3

P#3-1.4.1 Methodology - Plan or Idea (SSSVV Asset or your idea)

Mention the asset title selected or your idea.

https://learning.srisathyasaividya vahini.org/pluginfile.php/2896/mod_folder/content/0/Teaching%20Aids/07_MS_Commutative%20and%20Associative%20property%20of%20rational%20numbers.pptx?forcedownload=1

Teacher Tasks:

If you're not using an SSSVV Asset here, please mention any specific questions you will ask or instructions you will give

Will enable a discussion

Student Task:

Mention the specific actions students will engage in

Students will participate in the discussion

Duration (in minutes):

12

P#3-1.4.1 Methodology 2 - Plan or Idea (SSSVV Asset or your idea)

Mention the asset title selected or your idea.

https://learning.srisathyasaividya vahini.org/pluginfile.php/2896/mod_folder/content/0/Teaching%20Aids/04_MS_Closure%20Property%20of%20Rational%20Numbers.pptx?forcedownload=1



Period # 3 Methodology # 2 Teacher Tasks:

If you're not using an SSSVV Asset here, please mention any specific questions you will ask or instructions you will give

Will enable a discussion

Period # 3 Methodology # 2 Student Task:

Mention the specific actions students will engage in

Students will participate in the discussion

Period # 3 Methodology # 2 Duration (in minutes):

8

P#3-1.5 Recap or wrap-up Plan

How are you planning to recap or wrap-up to ensure that students have grasped what was taught in this period or the Key learning points? You may use part of a VV asset or your own idea.

Period # 3 - Recap/Wrap Up Plan or Idea

https://learning.srisathyasaividya vahini.org/pluginfile.php/2896/mod_folder/content/0/Teaching%20Aids/12_QA_Solve%20by%20using%20properties%20of%20rational%20numbers.pptx?forcedownload=1

Period # 3 - Recap/Wrap Up Student Task

Mention any task you have planned for students to know their learning takeaway for this period.

Students will participate in the discussion and provide answers

Period # 3 Recap/Wrap Up Duration (in minutes):

5

P#3- 1.6 Follow-up activity for this period

Mention what small assignment you would give your students. It could be a non-conventional assessment activity, a worksheet or exercise questions from the textbook or QA Asset.

Period # 3 - Follow-up Activity Plan or Idea

Interactive Quiz

<https://learning.srisathyasaividya vahini.org/mod/hvp/view.php?id=21560>



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Period # 3 Follow-up Activity Duration (in minutes):

5

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