





7. What are the advantages of inter house competitions in a school?

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## MODULE 2

### Mathematics (CCT)

#### Chapter 1 Topic: Rational Numbers

##### A. Fruit Salad



A fruit salad making competition was organized in a locality. Two friends Rekha and Meenakshi participated in that event. Rekha's fruit salad recipe requires  $\frac{1}{2}$  cup of sugar. Meenakshi's salad recipe requires 2 tablespoons of sugar. Total quantity of sugar provided to each contestant was 500gm. If 1 cup of sugar is equivalent to 225gm of sugar and 1 tablespoon sugar is equivalent to  $\frac{1}{16}$  cup of sugar, then

- Find the number of tablespoons of sugar required by Rekha?
- What will be the weight of sugar used by Meenakshi in gram?

##### B: Construction Work



A mother and her two daughters got a room constructed for Rs 62,000. The elder daughter contributes  $\frac{3}{8}$  of her mother's contribution while the younger daughter contributes  $\frac{1}{2}$  of her elder sister's share.

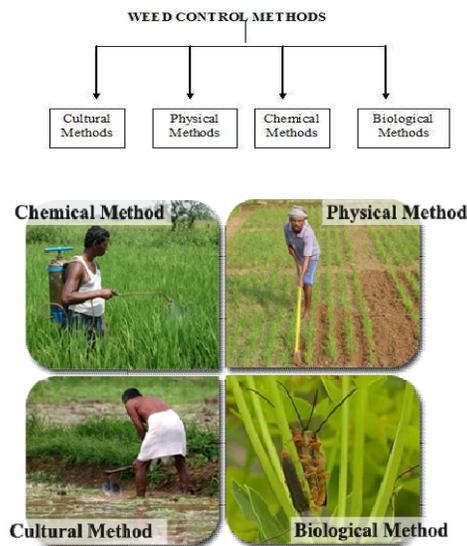
- If the amount contributed by mother is Rs  $x$ , then what fraction of mother's amount is contributed by younger sister?
- How much money is contributed by the mother?
- Find the difference of the amount contributed by two sisters.

## MODULE 3

### Science (Biology)(CCT)

#### Chapter 1: CROP PRODUCTION AND MANAGEMENT

Weeds are unwanted plants growing among crop plants. How weeds affect crops? Weeds reduce farm and forest productivity, they invade crops, and in some cases can harm grazing animals. They aggressively compete for space, water, nutrients and sunlight, resulting in reduced crop yield and poor crop quality. Weeds contaminate produce which can be harmful to us also. Weeding helps in proper growth and development of crop plants, it also helps to loosen the soil due to which water can infiltrate more rapidly and roots of the cultivated plants can develop in a better way. Popularly used weedicides are 2,4-D, ethylester, neem extract, glyphosate etc.



1. Given below are some statements about weeds.

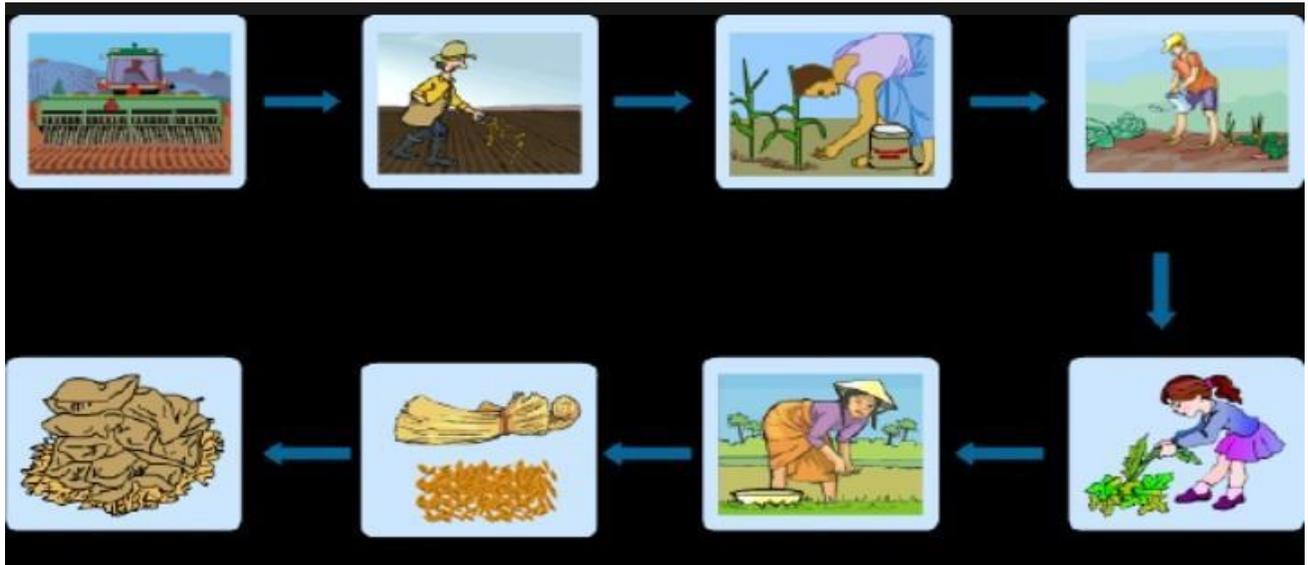
- (i) They interfere in harvesting.
- (ii) They help crop plants to grow healthily.
- (iii) They compete with crop plants for water, nutrients, space and light.
- (iv) They affect plant growth.

Choose the correct combination of statements about the harmful effects of weeds on crop plants:

- a) i, iii, iv
- b) iii only
- c) iii, iv
- d) i, ii, iii, iv

2. i) As part of their project the students of the eco club were asked to make a kitchen garden.

They were provided with some materials like seeds, khurpi, water pipe, watering can, spade. Label(in given diagram) all the steps the students must follow for growing vegetables in the kitchen garden in the correct sequence(given:the 7th step is threshing).



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- ii) Give examples of any two commonly used weedicides.

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- iii) Name two agricultural implements used for removal of weeds.

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- iv) For weedicides to be effective, advice the students when(appropriate time) to spray the weedicides.

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- v) One of the students read the following article in the newspaper:

Punjab bans use of 'cancer-causing' weedicide glyphosate



Punjab Government has banned the sale of Glyphosate in the State. This herbicide is very widely used in the State to control wide variety of weeds in almost all the crops. This chemical has been observed to be group 2A Cancer causing material. Besides cancer, this chemical is also known for causing other health problems and has the potential to damage human DNA as per the opinion of experts from PGIMER, Chandigarh.

- a) List two environmentally safe methods of weed control which the students can use.

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- b) Do weedicides have any effect on the person spraying the weedicides? If so, what precautions must the person take during spraying of these chemicals?

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- c) Name the weedicide banned by the Punjab Government? Give reason.

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## MODULE 4

### Social Studies (Voting and Elections)

#### Chapter 3: Why do we need a Parliament?

Directions: Read the passage and answer the questions below.

Research dating to the 1940s has consistently shown that young citizens vote at lower rates than older citizens and are less likely to feel connected to the electoral process (Highton and Wolfinger 2001). This low level of involvement reflects something of a vicious cycle. Because young people vote at low rates, they are less likely to be courted by campaigns (Bennett 1991). As campaigns attend to other constituencies, young voters are neither central to the framing of campaign issues nor the object of voter mobilization efforts. The question is what, if anything, can be done to break this vicious cycle.

1. Which age group is more likely to vote: 20 year old or 40 year old? Why?

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2. Which age group above will most campaigning officials target with their campaigns? Why?

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3. Why do you feel young people don't get more involved in their government?

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4. What steps could the government take to get young people more involved in election process? Explain your answer.

## MODULE 5

### रचनात्मक एवं गहन चिंतन गतिविधि

#### कक्षा- 8

#### पाठ-लाख की चूड़ियाँ

प्रिय विद्यार्थियो

आपको एक लिंक भेजा जा रहा है, आप उस वीडियो को देखिए और नीचे दिए गए प्रश्नों को ए4 शीट पर लिखिए।

1. लाख की वस्तुओं का निर्माण भारत में किन-किन राज्यों में होता है?
2. लाख से चूड़ियों के अतिरिक्त क्या-क्या चीज़े बनती है?
3. आपने मेले, बाज़ारों में हाथ से बनी वस्तुओं को बिकते देखा होगा। आपके मन में किसी चीज़ को बनाने की कला सीखने की इच्छा हुई हो और आपने कोई कारीगरी सीखने का प्रयास किया हो तो उसके विषय में लिखिए।
4. आपके विचार में बाज़ार में बिकने वाले सामानों के डिजाइनों में हमेशा परिवर्तन क्यों होता रहता है? लिखिए।

[https://youtu.be/ot2V\\_g8IyFM](https://youtu.be/ot2V_g8IyFM)

## Class VIII

### CCT- Answer Key

#### Reading Literacy Topic-NOTICE WRITING

1. The heading/Sub of the notice should be mentioned after NOTICE.
2. b)3
3. Student leader of each House
4. Namrata /Narain Cultural Secretary
5. Contest
6. Rs 26,000/-
7. Students get a chance to showcase their talent /Provides a break from academics/creates a spirit of competition /creates bonding among same house members.

## Mathematics (Answer Key)

### Rational Numbers

#### Solutions

A. Ans a)  $1/16$  cup = 1 table spoon  
1 cup = 16 table spoons  
 $1/2$  cup =  $16/2=8$  table spoons

No of table spoons reqd. by Rekha = 8

Ans b) Weight of sugar used by Meenakshi = 2 table spoons  
=  $1/8$  cup

=  $225/8$

= 28.125 grams

B. Ans a) Contribution of younger sister =  $\left(\frac{1}{2} \times \frac{3}{8}\right) \times x$   
=  $\frac{3}{16}x$

Ans b) let Mother's contribution be 'a'

$a + 3/8 a + 3/16 a = 62000$

$a = \text{Rs } 39680$

Ans c) Elder sister's contribution =  $3/8 \times 39680 = \text{Rs } 14880$

Younger sister's contribution =  $3/16 \times 39680 = \text{Rs } 7440$

## Class VIII

### (Biology)

#### CROP PRODUCTION AND MANAGEMENT

1. (a)
2. i) Preparation of soil -> sowing -> adding manure and fertilizers -> irrigation -> protecting from weeds -> harvesting -> threshing -> storage
- ii) weedicides are: 2,4-D, ethylester, neem extract, glyphosate(any two)
- iii) Khurpi, seed drill,Hoe(any two)
- iv) during the vegetative growth of weeds before flowering and seed formation.
- v) a) Physical method, cultural method.
- b) Yes, they should use these chemicals carefully and cover their nose and mouth while spraying.
- c) Glyphosate as it is cancer causing / may damage the human DNA.

## Social Studies (Voting and Elections)

### Chapter 3: Why do we need a Parliament?

1. Which age group is more likely to vote: 20 year old or 40 year old? Why?  
40 years as they are more involved in the political system of their country.
2. Which age group above will most campaigning officials target with their campaigns? Why?  
40 years old as they feel more connected to the electoral process.
3. Why do you feel young people don't get more involved in their government?
  - Too busy ....conflicting schedule
  - Did not like candidate... campaign issues
  - Out of town ... away from home
  - Not interested, felt their vote would not make any difference
4. What steps could the government take to get young people more involved in election process? Explain your answer.
  1. More education in school about voting....educating them about the importance of their vote
  2. Incorporate teaching about voting and elections in schools and colleges.
  3. Engage youth in campaign.... talk about youth related issues
  4. **Encouraging, promoting and popularising online voting**
  5. Shouldn't be required to wait in line for multiple hours to exercise their right to vote
  6. Compulsory voting
  7. No off in case they don't vote

कक्षा- 8

**Answer Key**  
पाठ-लाख की चूड़ियाँ

- उत्तर-1 उत्तरप्रदेश, राजस्थान, मध्यप्रदेश, कर्नाटक, गुजरात ।
- उत्तर-2 चूड़ियाँ, मूर्तियाँ, गोलियाँ तथा सजावट की वस्तुएँ, खिलौने ।
- उत्तर-3 इस प्रश्न का उत्तर विद्यार्थी अपनी समझ से देंगे ।
- उत्तर-4 हमारी आदतें, बदलता फैशन, हमारी रुचियाँ, पाश्चात्य सभ्यता ।