

**HARI VIDYA BHAWAN**  
**SUBJECT- SOCIAL SCIENCE**  
**CLASS – IX**  
**SESSION – 2020 – 21**  
**WORK SHEET -8**

**Date – 16-04-2020**

**General Instructions: -**

- Students do your worksheet in any notebook such as rough notebook, previous year notebook, rough sheets etc. Whichever is available at your home. No need to go outside.
- All the students must complete their worksheet as periodic test 1 marks will be given to those who completes it else you will have to go through pen paper test after the school reopens.
- See videos links in every worksheet as it will help you to understand the topic.
- If you have any query related to worksheet, ask your queries in WhatsApp group between 10:00 am to 12:00 pm in the morning and 4:00 to 6:00 pm in the evening.
- All the students must download NCERT app in order to read the chapter and also to write answers of the exercise.

**POL.SCIENCE ( CH-1 ) WHAT IS DEMOCRACY? WHY DEMOCRACY?**

**NOTES:-**

**MERITS OF DEMOCRACY**

- A democratic government is a better form of government because it is a more accountable form of government.
- Democracy improves the quality of decision – making.

- Democracy provides a method to deal with differences and conflicts.
- Democracy enhances the dignity of citizens.
- Democracy is better than other forms of government because it allows us to correct its own mistakes.

## **DEMERITS OF DEMOCRACY**

- Leaders keep changing in democracy.
- Democracy is all about political competition and power play.
- Democracy leads to corruption for it is based on electoral competition.
- Elected leaders do not know the best interest of the people. It leads to bad decision.

## **SHORT QUESTIONS**

Q1. Give argument in favour of democracy.

Q2. Give argument against democracy.

NOTE:-

- To understand the topic “ Merits of Democracy” watch the video <https://youtu.be/1t0u8u42mvY>
- To understand the topic “ Demerits of Democracy” watch the video <https://youtu.be/rhtEuH2G6bg>
- For Q1 and Q2 watch the video <https://youtu.be/DSCwmHWO8yk>  
<https://youtu.be/nlHrr1MWCy0>





**WORK SHEET-08****SUBJECT – MATHEMATICS****CLASS – IX****CHAPTER – 01. NUMBER SYSTEM****SESSION - (2020-21)****Practice question****Instructions to be followed:**

1:- Students do your worksheet in any notebook such as rough notebook, previous year notebook, rough sheets etc. whichever is available at your home. No need to go outside.

2:- All the student must complete their worksheets as Periodic test 1 marks will be given to those who completes it else you will have to go through pen paper test after the school reopens.

3:- See video links in every worksheet as it will help you to understand the topic.

4:- If you have any query related to worksheet, ask your queries in WhatsApp group between 10:00 am to 12:00 pm in the morning and 4:00 to 6:00 pm in the evening.

5:- All the students must download NCERT app in order to read the chapter and also to write answers of the exercise.

1. Write down 6 rational number between 7 and 8.
2. Write the following in decimal form and say what kind of decimal expansion each has:
  - (a)  $57/100$
  - (b)  $5/9$
  - (c)  $10/3$
  - (d)  $4/2$
3. Find out prime factors of following numbers.
  - (a.) 540
  - (b.) 1800
4. Write down definition of rational numbers with example.
5. Write down definition of irrational numbers with example.
6. Are the following statements true or false? Give reasons for your answers.
  - (i) Every natural number is a whole number.
  - (ii) Every rational number is an integer.
  - (iii) Every rational number is real number.
7. Locate  $\sqrt{5}$  on the number line.
8. Show that 5.765 is a rational number. In other words, express 5.765 in the form  $p/q$ , where p and q are integers and  $q \neq 0$ .
9. Write down five rational number between  $5/7$  and  $6/7$ .
10. Write biography of great mathematician pythagoras. (**Activity**)  
**WATCH** video in given link: <https://www.youtube.com/watch?v=6nrDSa-9mxi>

**NOTE:**

- For above given question follow worksheet 1&2.

**HARI VIDYA BHAWAN**  
**SUBJECT- SOCIAL SCIENCE**  
**CLASS – X**  
**SESSION – 2020 – 21**  
**WORK SHEET -9**

**Date – 16-04-2020**

**General Instructions: -**

- Students do your worksheet in any notebook such as rough notebook, previous year notebook, rough sheets etc. Whichever is available at your home. No need to go outside.
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**POL.SCIENCE (CH-1) POWER SHARING**

**NOTES: -**

**Why is power sharing desirable?**

- Two different sets of reasons can be given in favor of power sharing.
- Firstly, power sharing is good because it helps to reduce the possibility of conflict between social groups.

- There is a second, deeper reason why power sharing is good for democracy. Power sharing is very spirit of democracy. A democratic rule involves sharing power with those affected by its exercise, and who have to live with its effects. People have a right to be consulted on how they are to be governed. A legitimate government is one where citizens, through participation, acquire a stake in the system.
- First set of reasons PRUDENTIAL and the second MORAL.
- While prudential reasons stress that power sharing will bring out better outcomes, moral reasons emphasizes on the act of the power sharing as valuable.

### **FORMS OF POWER SHARING**

Forms of power sharing in modern democracies: -

1. Horizontal Power Sharing – Horizontal distribution or separation of power where power is shared among different organs of government, such as the legislature, executive and judiciary.
2. Vertical Power Sharing – Vertical division of power where power is shared among government at different levels.
3. Community Government – Community government where power is shared among different social groups.
4. Coalition Government – Coalition government where power sharing arrangement is among the political parties, pressure groups and movements control or influence those in power.

### **QUESTIONS**

Q1. State one prudential reason and one moral reason for power sharing with an example from the Indian context.

Q2. What are the different forms of power sharing in modern democracies? Give an example of each of these.

Q3. Why is power sharing desirable?

Q4. Consider the following two statement on power sharing and select the answer using the codes given below:

A. Power sharing is good for democracy.

B. It helps reduce the possibility of conflict between social groups.

Which of these statements are true and false?

(a)	A is true but B is false.
(b)	Both A and B are true.
(c)	Both A and B are false.
(d)	A is false but B is true.

Q5. Match list I (forms of power sharing) with List II (forms of government) and select the correct answer using the codes given in the lists:

List I

List II

1. Power shared among different Organs of government.
2. Power shared among governments At different levels.
3. Power shared by different social Groups.
4. Power shared by two or more Political parties.

- A. Community Government.
- B. Separation of powers
- C. Coalition government
- D. Federal Government

	1	2	3	4
(a)	D	A	B	C
(b)	B	C	D	A
(c)	B	D	A	C
(d)	C	D	A	B



**ACTIVITY:-** Give a comparative study of the ways in which the Belgian and Sri Lankan governments dealt with the problem of cultural diversities. What lessons do we learnt from the principles of majoritarianism and accommodation followed in Sri Lanka and Belgium respectively?

**NOTE:-**

- To understand the topic "Why is power sharing is desirable" and "forms of power sharing".  
Watch the video <https://youtu.be/sZdM7wyzjNI>  
<https://youtu.be/0k4ttymJ4i8>
- To understand the whole chapter and activity watch the video <https://youtu.be/0k4ttymJ4i8>
- Q1 and Q2 from NCERT book. Do answers from NCERT app :  
<http://play.google.com/store/apps/details?id=latest.ncertbooks>
- Q3 do from above notes.
- Q4 and Q5 from NCERT book. Do answers from NCERT app:  
<http://play.google.com/store/apps/details?id=latest.ncertbooks>

**HARI VIDYA BHAWAN    Date-16/04/2020**

**WORK SHEET-09**

**SUBJECT- MATHEMATICS**

**CLASS- X**

**SESSION - (2020-21)**

**CHAPTER – 3 (Pair of Linear Equation in Two Variables)**

**Instructions to be followed :-**

*1:- Students do your worksheet in any notebook such as rough notebook, previous year notebook, rough sheets etc. whichever is available at your home. No need to go outside.*

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1. On comparing the ratios  $a_1/a_2$  ,  $b_1/b_2$  and  $c_1/c_2$  , find out whether the lines representing the following pairs of linear equations intersect at a point, are parallel or coincident:

$x-y = 4$	$5x - 4y + 8 = 0$	$7x + 6y - 9 = 0$
$4x - y = 1$	$9x + 3y + 12 = 0$	$2x - y + 9 = 0$
$5x + 2y = -3$	$6x - 3y + 10 = 0$	$18x + 6y + 24 = 0$

1. Aftab tells his daughter, “Seven years ago, I was seven times as old as you were then. Also, three years from now, I shall be three times as old as you will be.” (Isn’t this interesting?) Represent this situation algebraically and graphically.
2. The coach of a cricket team buys 3 bats and 6 balls for ₹ 3900. Later, she buys another bat and 3 more balls of the same kind for ₹ 1300. Represent this situation algebraically and geometrically.

3. The cost of 2 kg of apples and 1 kg of grapes on a day was found to be ₹ 160. After a month, the cost of 4 kg of apples and 2 kg of grapes is ₹ 300. Represent the situation algebraically and geometrically.
4. 10 students of Class X took part in a Mathematics quiz. If the number of girls is 4 more than the number of boys, find the number of boys and girls who took part in the quiz. find their find their solutions graphically.
5. 5 Pencils and 7 pens together cost ₹ 50, whereas 7 pencils and 5 pens together cost ₹ 46. Find the cost of one pencil and that of one pen. find their solutions graphically.
6. Given the linear equation  $2x + 3y - 8 = 0$ , write another linear equation in two variables such that the geometrical representation of the pair so formed is:
  - (i) intersecting lines
  - (ii) parallel line
  - (iii) coincident lines
7. Half the perimeter of a rectangular garden, whose length is 4 m more than its width, is 36 m. Find the dimensions of the garden.
8. Draw the graphs of the equations  $x - y + 1 = 0$  and  $3x + 2y - 12 = 0$ . Determine the coordinates of the vertices of the triangle formed by these lines and the x-axis and shade the triangular region.

**For any query**

Question 1.....

<https://youtu.be/PZwwjR06kWQ>

Question 2 to 5.....

<https://youtu.be/pNvX6QFkTbU>

Question 6 to 8.....

<https://youtu.be/dcbh4gGclVs>  
<https://youtu.be/2VSufdxWMFw>

<https://youtu.be/y5JpGltQERw>