

## HOLIDAY HOMEWORK

### CLASS 8 ENGLISH

1. Sow a seed (any seed) in the soil in or near your home. Water daily. Observe it weekly and record the development in your own words. Also write a paragraph about what you felt when you saw it to grow into a small plant. Paste some pictures phases of seed getting transformed into a plant on scrap book. (0.5 marks)
2. Take an A3 size sheet, make a collage based on an advertisement of any health product. Give it a suitable title. (0.5 marks)
3. List down & write the names of the awards which are given to English writers. Also make a list of some of the literary icons who have won the Noble prize for literature in last ten years long with their nationality. Paste their pictures on A3 size sheet to be presented in the class & learn one line about them. (spoken activity) (1 marks)
4. Learn the whole syllabus of April and May for upcoming formative assessment. Read one chapter daily in story.

1. Moral based story writing (picture either paste or draw )
2. Charts of Tenses
3. Example profile related to all types of tense .

**1.The students are directed to read newspapers and magazines daily and update themselves with the current affairs.**

**2.Maintain a personal diary and write two new words everyday along with current affairs.**

**3.All the students are required to revise the PT-1 Syllabus of all the subjects thoroughly.**

Activity-

- Plan a get together party to be held at your place.
- Make a list of things you will require using **determiners**.
  - Ex. I called up **all** my friends for the party.
    - **Some** of them didn't come.
    - My mother bought **few** packets of chips for us.
- Click photographs and paste them. Now, write a **diary entry** in not more than 120 words describing the fun you had at the party.
- At the end of the party, when you were helping your mother clean up the house, you found a watch lying unclaimed in the living room. Draft a **notice** for the School Notice Board inviting the claimants for the same that you would put up in the school as soon as it reopens.

## SANSKRIT

VIII A 8 B. उकारान्त पुं साधु  
शब्द के आधा पा पाच  
शब्द रूप लिखें।  
सुभाषितामि के श्लोकों को

## HINDI

पञ्चा - आठवीं (8th class)

1) जैसे आपके WhatsApp ग्रुप में ऑनलाइन कक्षा का एक लिंक होता है इस लिंक के नाममात्र से आपके ग्रुप में एक का हिस्सा बन पाएंगे, जिसमें अलग-अलग आपके पढ़ने के उन सभी अद्ययनों का लगभग 150 शब्दों में अला-अला सायेंग लिखना है।

2) इस ऑनलाइन (जालाबंदी) के समय में आपने या आपके परिवार ने किसी जघीष या अस्वस्थ व्यक्ति की कोई मदद की है तो उसकी एक रिपोर्ट लगभग 150 शब्दों में तैयार कर WhatsApp करें। अगर आपके पास इसका कोई फोटो या विडियो है तो उसे भी साझा (शेयर) करें।

3) धर पर रहे, ~~अलग-अलग~~ अलग-अलग जलान हो नहीं धर से धार निकले। स्वस्थ रहने के लिए आदर्श दिन-चर्या का पालन करें।

## SOCIAL SCIENCE

1. Write down the meaning of the given words.

I. Periodisation	XVI. Sawar
II. Colonisation	XVII. Musket
III. Survey	XVIII. Matchlock
IV. Mercantile	XIX. Mahal
V. Farman	XX. Plantation
VI. Puppet	XXI. Slave
VII. Nabobs	XXII. Bigha
VIII. Injunction	XXIII. Fallow
IX. Subsistence	XXIV. Sal
X. Confederacy	XXV. Mahua
XI. Paramountcy	XXVI. Bewar
XII. Qazi	XXVII. Sleeper
XIII. Mufti	XXVIII. Vaishnav
XIV. Impeachment	XXIX. Mutiny
XV. Dharmashastras	XXX. Firangis

2. Write brief account of the given terms or personalities.

I. Robert Clive	XII. Cornwallis
II. Warren Hastings (the first Governor General of India)	XIII. The Doctrine of Lapse
III. James Mill	XIV. The right to Diwani
IV. Bahadur Shah Jafar	XV. Permanent Settlement
V. East India Company of Britain	XVI. Mahalwari System
VI. The Battle of Plassey 1757	XVII. Ryotwari System
VII. Sirajuddaulah	XVIII. Features of Indian Indigo
VIII. Mir Jafar	XIX. Nij cultivation of Indigo
IX. The Battle of Buxar 1764	XX. Ryoti cultivation of Indigo
X. Subsidiary Forces	XXI. Champaran movement by Mahatma Gandhi
XI. The "Tiger of Mysore"- Tipu Sultan	XXII. Birsa Munda
	XXIII. Jhum cultivation

---

- XXIV. Forest laws and their impact on tribal groups
- XXV. Governor General Canning
- XXVI. Mangal Pandey

- XXVII. Rani Laxmibai
- XXVIII. Nana Saheb
- XXIX. Vir Kunwar Singh
- XXX. Tantia Tope

3. Map Work

Locate and label the following places using an outline map of India.

- |              |               |
|--------------|---------------|
| I. Delhi     | VI. Calcutta  |
| II. Meerut   | VII. Mumbai   |
| III. Lucknow | VIII. Madras  |
| IV. Kanpur   | IX. Champaran |
| V. Jhansi    | X. Buxar      |

RESOURCES AND DEVELOPMENT

1. Write down the meaning of the given words or terms.

- |                              |                              |
|------------------------------|------------------------------|
| I. Resources                 | XXVII. Ecosystem             |
| II. Value                    | XXVIII. Wildlife             |
| III. Patent                  | XXIX. National Park          |
| IV. Technology               | XXX. Wildlife Sanctuary      |
| V. Natural resources         | XXXI. Biosphere Reserve      |
| VI. Renewable resources      | XXXII. Mineral               |
| VII. Non-Renewable resources | XXXIII. Metallic Minerals    |
| VIII. Human made resources   | XXXIV. Non-Metallic Minerals |
| IX. Human Resources          | XXXV. Mining                 |
| X. Resource Conservation     | XXXVI. Open-Cast Mining      |
| XI. Sustainable Development  | XXXVII. Shafts               |
- 
- |                                |                        |
|--------------------------------|------------------------|
| XII. Land                      | XXXVIII. Shaft Mining  |
| XIII. Land use                 | XXXIX. Quarrying       |
| XIV. Common Property Resources | XL. Recycle            |
| XV. Weathering                 | XLI. Fossil Fuel       |
| XVI. Landslides                | XLII. Thermal Power    |
| XVII. Soil                     | XLIII. Buried Sunshine |
| XVIII. Mulching                | XLIV. Black Gold       |
| XIX. Contour Barriers          | XLV. Natural Gas       |
| XX. Rock Dam                   | XLVI. Hydel Power      |
| XXI. Terrace Farming           | XLVII. Solar Energy    |
| XXII. Intercropping            | XLVIII. Wind Energy    |
| XXIII. Contour Ploughing       | XLIX. Nuclear Power    |
| XXIV. Shelter Belts            | L. Geo-Thermal Energy  |
| XXV. Natural Vegetation        | LI. Tidal Energy       |
| XXVI. Biosphere                | LII. Bio-Gas           |

2. Draw the diagram, flow chart or drawing of the given theme.

- |                                  |                                       |
|----------------------------------|---------------------------------------|
| I. Change in land use over time. | III. Factors Affecting Soil Formation |
| II. Soil Profile                 |                                       |
-



- IV. Classification of Minerals
- V. Extraction of Minerals
- VI. Conventional Sources of Energy
- VII. Hydel Power

- VIII. Non-Conventional Sources of Energy
- IX. Nuclear Energy
- X. Geothermal Energy
- XI. Tidal Energy
- XII. Biogas

### SOCIAL AND POLITICAL LIFE-3

#### 1. Write down the meaning of given terms or words.

- |                              |                          |
|------------------------------|--------------------------|
| I. Constitution              | VII. Human Trafficking   |
| II. Arbitrary                | VIII. Tyranny            |
| III. Ideal                   | IX. Secularism           |
| IV. Indian National Movement | X. Coercion              |
| V. Polity                    | XI. Freedom to interpret |
| VI. Sovereign                | XII. Intervene           |

#### 2. Write in brief about the given themes.

- I. Importance of Constitution in India/ Why do we need Constitution?
- II. Key features of Indian Constitution
- III. Preamble of Constitution
- IV. Fundamental Rights
- V. Fundamental Duties
- VI. Reasons for separation of religion from state.
- VII. Features of Indian Secularism

## SCIENCE

- 1) What are microorganisms? How can we see them?
- 2) What are the major groups of microorganisms?
- 3) Name different habitats of microorganisms.
- 4) What do you mean by pasteurization?
- 5) Draw a sketch of Nitrogen Cycle in nature.
- 6) Name two diseases caused by each of the following microbes:
  - a) Bacteria
  - b) Viruses
  - c) Fungi
  - d) Protozoa
- 7) Name different methods of food preservation. Give one example of each.
- 8) Distinguish between biodegradable and non-biodegradable substances with examples.
- 9) Why Nylon is considered as material of choice?
- 10) Give reasons:
  - a) Plastics should not be burnt
  - b) Handles of utensils are made of bakelite
- 11) Name any two natural and two man-made fibres.
- 12) Write down differences between thermoplastic and thermosetting plastic? Give examples.
- 13) List the characteristics of synthetic fibre.
- 14) Compare any six properties of metals with non-metals.

- 15) Expand CNG and LPG.  
 16) Explain combustion and ignition temperature.  
 17) What do you mean by calorific value of a fuel? State the unit in which it is expressed.  
 18) Write any four qualities of a good fuel.  
 19) Give two examples of each of the following:  
 i) Solid fuels  
 ii) Liquid fuels  
 iii) Gaseous fuels  
 iv) Combustible substances  
 v) Non-combustible substances  
 20) What do you mean by deforestation? Write the consequences of deforestation.  
**Note: Prepare a Project/Model/Activity file/Power Point Presentation from the syllabus of first term of your Science Book.**

## MATHS

### CLASS-8 MATHEMATICS

#### Worksheets of **ch-7 Linear Equation in one variable**

#### Worksheet-1

Solve the following equations.

- |  |   |
|--|---|
| <p>1. <math>\frac{3x}{5} = 15</math></p> <p>3. <math>8x - 4(x - 3) = 2x</math></p> <p>5. <math>2 - 3(3x + 1) = 2(7 - 6x)</math></p> <p>7. <math>\frac{4}{3x} - \frac{3}{4x} = 7</math></p> <p>9. <math>\frac{5x}{4} - \frac{x-1}{2} = \frac{x-1}{3}</math></p> <p>11. <math>5y - \frac{y+1}{3} = 6y + \frac{1}{5}</math></p> <p>13. <math>2\frac{1}{3} - \frac{x-2}{4} = \frac{x-1}{6}</math></p> <p>15. <math>\frac{2x-5}{5x+2} = \frac{3}{22}</math></p> <p>17. <math>\frac{4x-3}{2x+6} = \frac{3}{2}</math></p> <p>19. <math>\frac{3y - (8 - 5y)}{7y - (3 + 2y)} = 2</math></p> <p>21. <math>\frac{\frac{x}{4} - \frac{3}{5}}{\frac{4}{3} - 7x} = \frac{-3}{20}</math></p> <p>23. <math>\frac{8x+3}{2(x-2)} = \frac{4x}{x-5}</math></p> <p>25. <math>\frac{x+a}{x-a} = \frac{b-a}{b+a}</math></p> | <p>2. <math>\frac{7x-5}{2x} = 3</math></p> <p>4. <math>\frac{3}{4}y + 2y = \frac{1}{2} + 4y - 3</math></p> <p>6. <math>0.3(6 + x) = 0.4(8 - x)</math></p> <p>8. <math>\frac{2}{5x} - \frac{5}{2x} = \frac{1}{10}</math></p> <p>10. <math>\frac{3-5x}{7} - \frac{x}{4} = \frac{1}{2} + \frac{5-4x}{8}</math></p> <p>12. <math>\frac{3(x-1)}{4} - 2 = 5x - \frac{x-2}{2}</math></p> <p>14. <math>\frac{4x-2}{3} - \frac{23}{3} = 13 - 5\left(\frac{7x+5}{3}\right)</math></p> <p>16. <math>\frac{5-7x}{2(1+2x)} = -\frac{8}{7}</math></p> <p>18. <math>\frac{15(5-x) - 7(x+9)}{1-5x} = 4</math></p> <p>20. <math>\frac{(x+1)(x+2)}{(x+11)(x-2)} = 1</math></p> <p>22. <math>\frac{\frac{3}{4}x+7}{\frac{2}{5}x-4} = \frac{5}{4}</math></p> <p>24. <math>\frac{4x-5}{x+2} = \frac{8x-1}{2x+1}</math></p> |
|--|---|
-

1. The difference of two numbers is 15 and their ratio is 3:2. Find the numbers.
2. One-sixth of a certain number decreased by 4 is equal to 1. Find the number.
3. Four-fifths of a number is 20 less than the original number. Find the number.
4. One number is 3 times another number. If 15 is added to both the numbers, then one of the new numbers becomes twice that of the other new number. Find the numbers.
5. Three numbers are in the ratio 2:3:4. If the sum of the largest and the smallest equals the sum of the third and 33, find the numbers.
6. Two numbers are such that the ratio between them is 3:5. If each is increased by 5, the ratio between the new numbers so formed is 2:3. Find the original numbers.
7. Find three consecutive even numbers whose sum is 186.
8. Find three consecutive odd numbers whose sum is 165.
9. The sum of three consecutive multiples of 7 is 777. Find these multiples.
10. The numerator of a fraction is 3 less than the denominator. If both the numerator and denominator are increased by 2, the new fraction becomes  $\frac{6}{7}$ . Find the original fraction.
11. The denominator of a rational number is greater than its numerator by 3. If numerator is increased by 14 and denominator is decreased by 3, the new number becomes  $\frac{11}{4}$ . What is the original number?
12. A number has two digits. The digit at tens place is four times the digit at units place. If 54 is subtracted from the number, the digits are reversed. Find the number.
13. Sum of the digits of a two-digit number is 9. The number obtained by interchanging the digits exceeds the given number by 27. Find the original number.
14. The length of a rectangle exceeds the breadth by 6 cm. If the length is increased by 3 cm and breadth decreased by 2 cm, the area remains the same. Find the length and breadth of the rectangle.
15. The angles of a triangle are  $3x^\circ$ ,  $(2x + 20)^\circ$  and  $(5x - 40)^\circ$ . Find the angles. Hence show that the triangle is an equilateral triangle.
16. One angle of a triangle is equal to the sum of the other two. If the ratio of the other two angles is 7:8, find the angles of the triangle.
17. The altitude of a triangle is three-fifth of the length of the corresponding base. If the altitude is decreased by 4 cm and the corresponding base is increased by 10 cm, the area of the triangle remains the same. Find the base and the altitude of the triangle.



## CH 2 "LINEAR EQUATIONS IN ONE VARIABLE"

---

### VERY SHORT ANSWER TYPE QUESTIONS

Q.1 Tell which of the following is a linear equation in one variable:

a)  $x^2 - 4x + 3 = 0$

b)  $6x - 2y = 7$

c)  $3x - 1 = -2x$

d)  $pq - 3 = p$

e)  $3x + 2 = 4(x + 7) + 9$

Q.2 Find the value of  $x$ :

a)  $3 + \frac{x}{4} = 5$

b)  $\frac{x}{2} - \frac{x}{3} = 4$

c)  $ax + b = 0$  where  $a, b$  are any integers

d)  $\frac{50}{x} + 4 = 14$

Q.3 Half a number increased by 10 is 12. Find the number.

Q.4 Twice the sum of two numbers is 36. If one of the numbers is 10, find the other number.

Q.5 Twenty years from now, I will be 4 times as old as my present age. What is my present age?

Q.6 State whether the following statements are true or false:

a) A term may be transposed from one side of the equation to the other side but its sign will not change.

b) We cannot subtract the same number from both sides of an equation.

c)  $x = 1$  is the solution of equation  $4(x + 5) = 24$

### SHORT ANSWER TYPE QUESTIONS

Q.7 Solve the following equations and check the solutions:

a)  $5 - 3(5x + 2) = 4(7 - 3x) + 1$

b)  $\frac{6x+1}{3} + 1 = \frac{x-2}{6}$

c)  $\frac{x+1}{2x+3} = \frac{3}{8}$

d)  $0.3(6 - x) = 0.4(x + 8)$

---



$$e) \frac{(2+x)(x-7)}{(x-5)(x+4)} = 1$$

$$f) \frac{9x-7}{3x+5} = \frac{3x-4}{x+6}$$

$$g) \frac{3(7x-1)}{4} - \left(2x - \frac{1-x}{2}\right) = x + \frac{3}{2}$$

$$h) \frac{5x-4}{8} - \frac{x-3}{5} = \frac{x+6}{4}$$

$$i) 0.12x + \frac{(0.5+x)}{2} = \frac{x}{3} + 1.5$$

Q.8 Solve:

$$\frac{x+3}{2} - \frac{x-2}{2} = 1. \text{ Hence find } p, \text{ if } \frac{1}{x} + p = 1$$

### LONG ANSWER TYPE QUESTIONS

Q.9 The two perpendicular sides of a right angled triangle are in the ratio 3:4 and it's perimeter is 96 cm. Find the three sides.

Q.10 Two supplementary angles differ by  $50^\circ$ . Find measure of each angle.

Q.11 Sum of three consecutive even numbers is 36. Find the numbers.

Q.12 The numerator of a fraction is 2 less than the denominator. If 3 is added to both the numerator the fraction becomes  $\frac{3}{4}$ . Find the fraction.

Q.13 A number consists of two digits whose sum is 12. If 18 is added to the number, the digits are reversed. Find the number.

Q.14 Maira has a total of ₹ 1040 as currency notes in the denomination of ₹ 10, ₹ 20 and ₹ 50. The ratio of the number of ₹ 10 notes and ₹ 20 notes is 2:5. If she has a total of 30 notes, how many notes of each denomination she has.

Q.15 A number is such that ratio of 84 less than the number and difference of 108 and the number is 1:1. Find the number.

Q.16 Mr. X has to cover a certain distance. He covers  $\frac{2}{5}$ th of the total distance by car,  $\frac{3}{10}$ th by bus,  $\frac{1}{5}$ th by auto-rickshaw and the remaining 5km on foot. What is the total distance?

---

## ANSWERS

1. c, e
  2. a) 8      b) 24      c)  $-\frac{b}{a}$       d) 5
  3. 4
  4. 8
  5. 7
  6. a) False b) False c) True
  7. a) -10      b) -1      c)  $\frac{1}{2}$       d) -2      e)  $\frac{3}{2}$       f)  $\frac{1}{2}$       g) 1      h) 8      i) 4.36
  8.  $x = 6, p = \frac{5}{6}$
  9. 24, 32, 40
  10.  $115^0, 65^0$
  11. 10, 12, 14
  12.  $\frac{3}{5}$
  13. 57
  14. 4, 10, 16
  15. 96
  16. 50
-