

Write the articles on the topics given below.

1. Women Empowerment
2. Eat right to stay fit
3. Ill effects of computer games.

I. Change the following sentences from Active to passive voice.

1. Who wrote this poem?
2. He gave Raju a ring.
3. Watt invented the steam engine.
4. The manager will give you a ticket.
5. Pratap took some photographs.
6. Pratima was singing a song.
7. Anuradha painted these pictures.
8. The government is building houses for the poor.
9. Rajitha is taking the dog for a walk.
10. John teaches us English.

TELUGU (II Lang)

1. ప్రకటన (from Half yearly Paper)
2. లేఖ (from Half yearly Paper)
3. విభక్తులు

HINDI(II Lang)

- I. Do page no- 59, 60 (Grammar Book)

MATH

RATIONAL NUMBERS

1. Simplify : $\left(\frac{-4}{3}\right) + \left[\left(\frac{-12}{5}\right) - \frac{6}{7}\right]$
2. Find the sum of multiplicative inverse of $\left(\frac{-9}{13}\right)$ and the additive inverse of $\frac{5}{6}$.
3. Represent $\frac{7}{3}$ on the number line.
4. Product of two rational numbers is (-6). If one of the numbers is $\frac{-3}{4}$, find the other number.
5. What should be subtracted from $\left(\frac{-7}{33}\right)$ to get $\left(\frac{-4}{11}\right)$?
6. $\frac{1}{5}$ of a number is 60. What is the number?
7. Divide the sum of $\left(\frac{-5}{11}\right)$ and $\left(\frac{-4}{7}\right)$ by their product.
8. Represent $\left(-1\frac{3}{4}\right)$ on the number line.
9. Is 0.7 a multiplicative inverse of $\left(\frac{10}{7}\right)$?
10. Find the multiplicative inverse of the following.
 - (i) -13
 - (ii) $-\frac{13}{19}$
 - (iii) $\frac{1}{5}$
 - (iv) $-\frac{5}{8} \times \frac{3}{7}$
 - (v) $-1 \times \frac{2}{5}$
 - (vi) -1
11. Multiply $\frac{6}{13}$ by the reciprocal of $\frac{-7}{16}$
12. Represent $\frac{-2}{11}, \frac{-5}{11}, \frac{-9}{11}$ on the number line.
13. Write five rational number which are smaller than 2.
14. Find five rational number between.
 - (i) $\frac{2}{3}$ and $\frac{4}{5}$
 - (ii) $\frac{-3}{2}$ and $\frac{3}{4}$
15. write five rational numbers greater than -2.

LINEAR EQUATIONS IN ONE VARIABLE

16. Solve the following equations.

(i) $X - 2 = 7$

(ii) $6x = 12$

(iii) $7x - 9 = 16$

(iv) $17+6p=9$

17. Solve the following equations and check your results.

(i) $x = \frac{4}{5}(x+10)$

(ii) $\frac{2x}{3}+1=\frac{7x}{15}+3$

(iii) $2y+\frac{5}{3}=\frac{26}{3}-y$

(iv) $3m = 5m - \frac{8}{5}$

18. Solve the following linear equations.

(i) $\frac{x}{2} - \frac{1}{5} = \frac{x}{3} + \frac{1}{4}$

(ii) $\frac{n}{2} - \frac{3n}{4} + \frac{5n}{6} = 21$

(iii) $x+7 - \frac{8x}{3} = \frac{17}{6} - \frac{5x}{2}$

(iv) $\frac{x-5}{3} = \frac{x-3}{5}$

(v) $0.25(4f-3)=0.05(10f-9)$

19..Solve the following equations.

(i) $\frac{3y+4}{2-6y} = \frac{-2}{5}$

(ii) $\frac{7y+4}{y+2} = \frac{-4}{3}$

20. Two numbers are in the ratio 5:3. If they differ by 18, what are the numbers?

Solving Equations with Fractions

1) $\frac{f}{5} + 2 = 8$

2) $\frac{w}{3} - 5 = 2$

3) $\frac{x}{8} + 3 = 12$

4) $\frac{5t}{4} + 3 = 18$

5) $\frac{3y}{2} - 1 = 8$

6) $\frac{2x}{3} + 5 = 12$

7) $\frac{t}{5} + 3 = 1$

8) $\frac{x+3}{2} = 5$

9) $\frac{t-5}{2} = 3$

10) $\frac{x+10}{2} = 3$

11) $\frac{2x+1}{3} = 5$

12) $\frac{5y-2}{4} = 3$

13) $\frac{6y+3}{9} = 1$

14) $\frac{2x-3}{5} = 4$

15) $\frac{5t+3}{4} = 1$

Sub.: Science

1. In your society, One of your friends is bursting crackers and playing loud music to celebrate india's victory in the cricket match. Do you think it is a correct way of celebration? Why / Why not?
2. Why cannot we talk in space .
3. A ringing alarm clock is placed in vacuum. Why will you not be able to hear its ticking sound?
4. Suppose a stick is struck against a frying pan in vacuum will the frying pan vibrate? Will we be able to hear the sound? Explain
5. State one observation from every day life which shows that sound travels much more slower than light.
6. Name any two animals which can hear sound that we cannot hear.
7. Nitika goes with her father to a car showroom. Her father is confused whether to buy a CNG model or a petrol mode.
 - a) What would you suggest him and why.
 - b) What do we learn on opting a CNG model?
8. Why do we not use coal gas as a cooking fuel?
9. Suggest some method to reduce the LPG consumption at home.
10. We read in newspapers that burning of fuels is a major cause of global warming . Explain. Why?
11. Suggest few methods to conserve fossil fuels in daily life.
12. What are petrochemicals ? Why are petrochemicals so important.
13. The parts P and Q are present only in plant cells, they are not present in animal cells. The part P contains a green pigment called R where as part Q is made of a tough material S. The part P takes part in the food making process where as part Q gives shape and support to the plant cell.
 - a. What is (i)P, and (ii) Q? b. What is (i) R, and (ii) S?
14. A,B,C and D are the basic parts of all the cells. The part A contains thread – like structures called E which transfer the characteristics from parents to their offspring's. The part B uses glucose and oxygen to produce energy where as part C controls the movement of substances 'into the cell' and 'out of the cell'. The part D is a transparent, jelly – like material. What could A,B,C D and E be?
15. X and Y are the two types of cells. The cells X have a well organized nucleus which is separated from the cytoplasm by the nuclear membrane. On the other hand, cells Y do not have a real nucleus, their nuclear material is in direct contact with the cytoplasm.
 - (a) What type of cells are (i) X , and (ii) Y
 - (b) Give one example each of cells like (i) X, and (ii) Y
16. Cells make up A, A make up B; B make up C, and finally C make up an organism. What are A, B and C
17. The cytoplasm of the cells of a tomato plant contains organelles X having different pigments which impart different colors to the leaves of tomato plant and its fruits.

(a) What is the general name of the organelles X?

(b) What is the (i) name (ii) color, and (iii) function, of organelles X present in the leaves of tomato plant?

(c) What is the color of organelles X which are present in the ripe fruits of tomato plant?

Social

1. Collect the pictures of Present Ministers of Union government.
2. Collect pictures and write a few lines about the leaders of revolt of 1857
3. Collect pictures of social reformers of India and write a few lines about them

Note:

- **Submit the work on the reopening day in a folder with child's name, class & section**
- **Write on an A4 size paper.**