

कक्षा-8

क्र.सं.	गृह-कार्य	उद्देश्य
1.	पांडित जवाहरलाल नेहरू को सांचत्र जीवन लोखए	नैतेक मूल्यों का विकास
2.	किसी यात्रा का वणन कौजेए	लेखन कला का विकास
3.	'कमोनेष्ट डाकिया'(पोस्टमन) पर सांचत्र अनुच्छेद लोखए	भारतीय डाक को वीशेष्ट जानकारी
4.	राष्ट्रमडल खेला मे भारतीय खेलाडियों के योगदान का वणन करते हुए अपने मित्र को पत्र लोखए	खेला के प्राते जागरूकता

- Add $\frac{2}{5}$ to $\frac{1}{3}$. (ie) $\frac{2}{5} + \frac{1}{3}$.
- Subtract $\frac{2}{5}$ from $\frac{5}{7}$.
- Find: (a) $\frac{2}{3} + \frac{3}{4} + \frac{1}{2}$. b. $1\frac{1}{3} + 3\frac{2}{3}$ c. $8\frac{1}{4} - 2\frac{5}{6}$.
- Multiply and reduce to lowest form:
 - $\frac{1}{3} \times \frac{15}{8}$
 - $3\frac{2}{5} \times \frac{4}{7}$
 - $4 \times 6\frac{1}{3}$
 - $3\frac{4}{7} \times \frac{3}{5}$
- Find: a. $2\frac{1}{3} \div \frac{3}{5}$ b. $3\frac{1}{5} \div 1\frac{2}{3}$ c. $4\frac{3}{7} \div 7$.
- Using appropriate Properties find: $\frac{2}{5} \times \left(-\frac{3}{7}\right) - \frac{1}{6} \times \frac{3}{2} + \frac{1}{14} \times \frac{2}{5}$.
- Multiply $\frac{5}{12}$ by reciprocal of $\frac{15}{8}$.
- Write the additive inverse of each of the following:
 - $-\frac{3}{-2}$
 - $\frac{5}{-9}$
 - $-\frac{3}{5}$
 - $\frac{1}{2}$
 - $\frac{23}{-5}$
- Find the multiplicative inverse of the following:
 - 1
 - 1
 - $-\frac{5}{8} \times -\frac{3}{4}$
 - 20
 - $\frac{1}{8}$
- Name the Property under multiplication used in each:
 - $-\frac{2}{5} \times 1 = 1 \times -\frac{2}{5} = -\frac{2}{5}$
 - $-\frac{12}{13} \times \frac{13}{-12} = 1$
 - $\left(\frac{1}{2} \times \frac{1}{3}\right) \times \frac{1}{4} = \frac{1}{2} \times \left(\frac{1}{3} \times \frac{1}{4}\right)$
 - $-\frac{8}{9} \times -\frac{4}{7} = -\frac{4}{7} \times -\frac{8}{9}$
- Write the multiplicative inverse of (a) 2 (b) 3 (c) 4
 - $\frac{4}{3}$
 - $\frac{2}{5}$ in decimal form.
- Represent the following rational numbers on the no. line
 - $-\frac{1}{4}$
 - $-2\frac{1}{5}$
 - $-\frac{5}{6}$
 - $\frac{4}{9}$
 - $\frac{1}{8}$
- Find two rational numbers between (i) -1 and 0 (ii) -5 and 5.

14. write five rational numbers (a) smaller than -8
 b. greater than -3
15. Find five rational numbers between (a) $\frac{1}{4}$ and $\frac{1}{3}$.
 b. $-\frac{3}{2}$ and $\frac{5}{3}$ c. $-\frac{1}{3}$ and $-\frac{2}{3}$ (d) $\frac{2}{3}$ and $\frac{4}{5}$.
16. Arrange the following numbers in descending order:
 $-\frac{5}{6}$, $-\frac{7}{12}$, $-\frac{13}{28}$, $\frac{23}{-24}$.
17. what number should be added to $-\frac{7}{8}$ to get $\frac{4}{9}$?
18. The sum of 2 rational numbers is $-\frac{1}{2}$. If one of the numbers is $\frac{5}{6}$, find the other.
19. After reading $\frac{7}{9}$ of a book, 40 pages are left. How many pages are there in the book?
20. A drum full of rice weights 4016 kg. If the empty drum weights 1334 kg, find the weight of rice in the drum.
21. Ram earns ₹ 16000/month. He spends $\frac{1}{4}$ of his income on food; $\frac{3}{10}$ of the remainder on house rent and $\frac{5}{21}$ of the remainder on education of children. How much money is still left with him?

Activities.

- write five situations from our day-to-day life where we are using fractions & decimals.
- Make 12 cards in which different rational numbers are written. Arrange the cards in ascending or descending order of rational numbers by converting them into decimals. For example: $\frac{2}{3}$, $-\frac{1}{2}$, 0 , $\frac{3}{2}$, $\frac{4}{3}$, 5 , -8 , $\frac{5}{2}$, -23 , 213 , $-\frac{15}{3}$, $\frac{7}{2}$. are one set of 12 such rational numbers.
- Compare rational numbers by drawing a no. line on graph paper. a. $\frac{1}{2}$ — $\frac{1}{5}$ (b) $\frac{3}{5}$ — $\frac{2}{3}$ (c) -3 — $-\frac{1}{3}$
 [Fill appropriate sign]

CHAPTER - 2 - LINEAR EQUATIONS IN ONE VARIABLE

Solve:

a. $8x + 3 = 5$	e. $5x - 9 = 16$	(i) $x = \frac{4}{5}(x+10)$
b. $\frac{2}{7} + x = \frac{16}{7}$	f. $\frac{4x}{3} = 16$	(j) $8x + 4 = 3(x-1)$
c. $7x = 35$	g. $14y - 8 = 13$	(k) $2y + \frac{5}{3} = \frac{26}{3} - y$
d. $1.4 = \frac{y}{1.5}$	h. $\frac{2x}{3} + 1 = \frac{7x}{15} + 3$	(l) $3n = 5n - \frac{8}{5}$

- The perimeter of a rectangular swimming pool is 154m. Its length is 2m more than twice its breadth. What are the length and the breadth of the pool?
- If you subtract $\frac{1}{2}$ from a number and multiply the result by $\frac{1}{2}$, you get $\frac{1}{8}$. What is the number?
- If father is twice as old as his son and also 29 years older than his son. What is the age of father?
- Three consecutive integers are as such when they are taken in increasing order and multiplied by 2, 3 and 4 respectively, they add up to 74. Find these numbers.
- The ages of Rahul and Haroon are in the ratio 5:7. Four years from now sum of their ages will be 58 years. Find their present age.
- The denominator of a rational number is greater than its numerator by 4. If the numerator is increased by 11 and the denominator is decreased by 1, the number obtained is $\frac{7}{3}$. Find the rational number.
- One of the two digits of a two digit number is three times the other digit. If you interchange the digits of this two-digit number and add the resulting number to the original number, you get 88. What is the original number?

9. Complete the following table:

No.	Statement	Linear Equation
(i)	Half a number plus 6 is 11.	
(ii)	The ratio of 2 numbers is 3:4 and the sum is 28.	
(iii)	A Car travels at a speed of 5km/hr from Bhopal to Indore. After the journey of 3 hours, Indore is still 65km away. Express the distance from Bhopal to Indore using Variable s .	
(iv)	If 15 is subtracted from half of a number the result is 10.	
(v)	Sum of three consecutive multiples of 8 is 888.	
(vi)	Twice of a number added to half of the number equals to 25. Find the number.	

10. Solve: a. $\frac{x}{2} - \frac{3x}{4} + \frac{5x}{6} = 21$.

d. $\frac{x+17}{x+7} = 3$

b. $\frac{3y-2}{4} - \frac{2y+3}{3} = \frac{2}{3} - y$

e. $\frac{3y+4}{2-6y} = \frac{-2}{5}$

c. $3(5z-7) - 2(9z-11) = 4(8z-13) - 17$

01. Understanding 2-Dimensional figures:

Write the area and perimeter of different kinds of quadrilaterals namely (a) Square (b) Rectangle (c) Parallelogram (d) Rhombus (e) Trapezium.

02. Write the properties of different types of quadrilaterals and also explain them with the help of rough sketch.

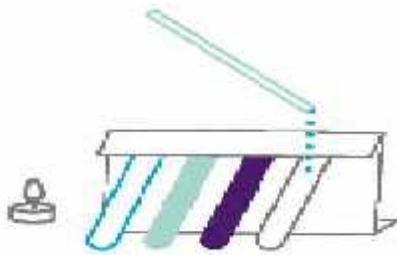
Number System:

write tables from 6 to 20. two times.

KENDRIYA VIDYALAYA SANGATHAN, CHENNAI REGION
SUMMER HOLIDAY HOMEWORK 2018-19

CLASS: VIII

SUB: SCIENCE

ACTIVITIES	LEARNING OUTCOME & DURATION
<p>1. Making useful items from only waste materials (decorative pieces/ scientific models) https://www.youtube.com/watch?v=1fDyTMeat0k</p> <p>2. Collect the labels from the 5 eatables (jams, jellies, lays, ice creams etc). Write down the list of chemical name printed on the labels and find out the date of manufacture & expiry. (in A4 sheet)</p> <p>1. POPSICLE STICK WATER RACE: KEY CONCEPT : Lotus effect, Hydrophobia, Hydrophilia. Scientific Principle behind: IN nature water cannot wet or stick on some surfaces such as lotus or banana, because these leaf surfaces repel water. So the water flows quickly on them. It is said that the leaves have hydrophobicity.(Water hating properties)</p> <p>PREPARATION AND MATERIALS Five ice cream sticks, one candle and matchbox, one crayon, one cardboard folded to a 20 degree slope.</p> <p>STEP 1: Take five ice-creams sticks. Step 2: coat the first ice-cream sticks with carbon (soot of the candle) Step3: Coat the second ice-cream stick with crayon by painting on it Step 4: Coat the third ice-cream stick with rubbing the liquid candle wax on the stick. Step 5: Fourth stick is left naked. Step 6: Put all four ice cream sticks on a 20 degree slope. Step 7. Put a drop of water on each ice cream sticks (one at time) Observe the shapes and the motions of the droplets and tabulate the observations.</p> 	<p>1. Learn to manage waste materials based on 3 R principle</p> <p>2. Creating awareness about the chemical used in preservation of food items</p> <p>3. Understanding how water moves on different Surfaces. Able to compare the lotus effect On different surfaces.</p>

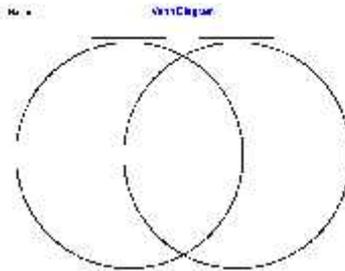
KENDRIYA VIDYALAYA SANGATHAN, CHENNAI REGION

SUMMER HOLIDAY HOMEWORK 2018-19

CLASS: VIII

SUBJECT: SOCIAL SCIENCE

- Pick one: Draw and label** (a) Composition of air - Structure of atmosphere
(b) Composition of soil - Layers
- How healthy population leads to the development of the country? Write a paragraph on it.
(A-4 Size sheet)
- Compare and **contrast rural food habits to the urban food habits**, through a Venn diagram do in (A-4 sheet)



- Find healthy snacks for your lunchbox. (A-4 Size sheet) out one millet recipe- cook, and enjoy it! Neatly write out its recipe with its nutritional value.
- Choose any two varieties of Mughal architecture. Where and by who built it? Details of architecture.
- Draw a pictograph depicting number of various endangered species in India. Find out the ratio of the endangered species in India to the other parts of the world.
- Visit the fort St George in Chennai. Visit the Dutch fort at kalpakkam sadras. Compare the two and write about both.

OR

Watch: Some forts of India

<https://www.youtube.com/watch?v=S7372keDv0s>

<https://www.youtube.com/watch?v=KFbfAJRzDIs>

<https://www.youtube.com/watch?v=-OLBdTvIctI>

- Write about what impressed you most about each fort. (Hints- How they are all having something common/ what materials are used to build it/situated in what type of place.)
- On a outline map of India. Locate and label ten important rivers of India. Mention the states through which the rivers flow.

KENDRIYA VIDYALAYA SANGATHAN, CHENNAI REGION
2018-19 SUMMER VACATION HOME WORK

CLASS: VIII

SUB: ENGLISH

S.NO	TOPIC	LEARNING OBJECTIVES	EVALUATION CRITERIA	DURATION
1.	<p>MY SCRAP BOOK (Theme Oriented Work-Any one) Themes : Adventure/ Sports & Games/ Music & Dance/Eminent Personalities/Wonders of Science/ Gadgets/National Integration (Fascinating collections of anecdotes, latest news, personalities related to the field, pictures, poems composed, imaginary interviews with any one of the personalities on the theme chosen)</p>	To develop Writing & Creative skills	a. Content b. Expression c. Creativity d. Presentation e. Layout & Design	Summer Vacation= 50 days
2.	<p>GRAMMAR THROUGH DICTIONARY Make a Verb Table with 25 irregular verbs of day today use (not the verbs in Past & Participle ending with 'ed') Eg- Present Past Past Participle catch caught caught</p>	1.Basic Grammar 2.Spellings	ACCURACY	Two days/ A day
3	<p>Read to Narrate Read any short story collections and narrate a story in own words (ONE)driving home the value learnt</p>	1.To inculcate reading Habit 2. To develop Fluency and accuracy	a) Title b) Narration in own words c) Fluency d) Accuracy	Two Weeks