

## HOLIDAY HOMEWORK.

## CLASS - VII - MATHEMATICS

CHAPTER - I - INTEGERS.

- Represent the following numbers as integers with appropriate signs.
  - A deposit of rupees five hundred.
  - Temperature of Srinagar is  $10^{\circ}$  below  $0^{\circ}\text{C}$ .
  - An aeroplane is flying at a height 2000m above the ground.
- By looking at the number line, answer the following questions: which integers lie between  $-9$  and  $-3$ ? which is the largest integer and the smallest integer among them.
- Use number line and add the following integers:
  - $5 + (-10)$
  - $(-3) + 8 + (-4)$
  - $-5 + (+3)$
  - $(-3) + (-5)$
  - $+5 + (-3)$
  - $+3 + (-3)$
- Find:
  - $(-8) - 9 - (-30)$
  - $60 - (-40) - (-8)$
  - $(-13) + 32 - 8 - 1$
  - $37 + (-2) + (-65) + (-8)$
- Find each of the following Products:
  - $5 \times (-1)$
  - $(-42) \times (-80)$
  - $(-216) \times (-1)$
  - $12 \times 0 \times (-8)$
  - $(-4) \times (-13) \times (-3) \times (-1)$
  - $9 \times (100 - 2)$
  - $(-16) \times (-64) + 88$
  - $15 \times (-25) \times -4 \times (100)$
  - $(-1) \times (-2) \times (-3) \times 4$
  - $19 \times [10 + 5]$
- In a class test containing 20 questions, 5 marks are awarded for every correct answer and  $(-2)$  <sup>marks</sup> are awarded for every incorrect answer and 0 for questions not attempted.
  - Shyam gets 8 correct and 12 incorrect answers. What is his score?

ii) Rahim get 10 correct answers and 10 incorrect answers, what is his score?

7. An elevator descends into a mine shaft at the rate of  $8\text{m/min}$ . If the descent starts from  $10\text{m}$  above the ground level, how long will it take to reach  $-390\text{m}$ .

8. Evaluate: (a)  $(-400) \div 10$ . (c)  $[-8+5] \div [-2+1]$   
(b)  $[-48] \div 12 \div 4$  (d)  $0 \div (-10)$

9. Complete the following patterns with integers:

(i)  $-7, -3, 1, 5, \_, \_, \_, \_, \_$

(ii)  $-12, -10, -8, -6, \_, \_, \_, \_, \_$

(iii)  $-20, -15, -10, -5, \_, \_, \_, \_, \_$

10. Height of a place is  $4000\text{m}$  above sea level. Another place B is  $1800\text{m}$  below sea level. What is the difference between the levels of these 2 places?

11. A multistorey building has 25 floors above the ground level each of height  $5\text{m}$ . It also has 3 floors in the basement each of height  $5\text{m}$ . A lift in building moves at the rate of  $1\text{m/s}$ . If a man starts from  $50\text{m}$  above the ground, how long will it take him to reach the 2nd floor of basement?

12. Fill in the blanks: (d)  $(-200) \div \_ = 1$ .

(a)  $350 \div \_ = 350$

(e)  $(-16) \div [4 \div (-2)]$

(b)  $\_ \div (-8) = -5$

(f)  $[-16 \div 4] \div (-2)$

(c)  $\_ \div 1 = -90$

13. Name the property under multiplication of integers

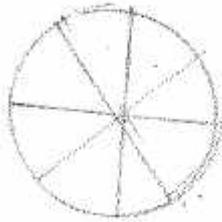
(a)  $50 \times [100+2] = (50 \times 100) + 50 \times 2$

(b)  $(-32) \times 1 = 1 \times (-32) = -32$

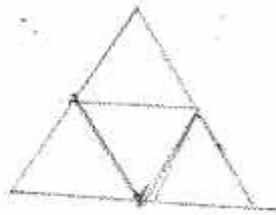
(c)  $[(-2) \times (-5)] \times -8 = (-2) \times [(-5) \times (-8)]$

## CHAPTER - 2 - FRACTIONS AND DECIMALS.

1. Colour the Part according to the given fraction.



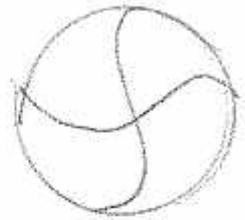
(i)  $\frac{1}{8}$



(ii)  $\frac{1}{4}$



(iii)  $\frac{1}{3}$



(iv)  $\frac{3}{4}$

2. a. what fraction of a day is 6 hours?  
 b. what fraction of an hour is 45 minutes?  
 c. write the natural numbers from 2 to 12. what fraction of them are prime numbers?
3. Addition of fractions:  
 Add the fractions to get sum  $10\frac{1}{2}$  column wise, row wise or diagonal wise.

		3
	$3\frac{1}{2}$	
4		5

4. Add the decimal numbers to get sum 3.0 column wise row-wise or diagonal wise.

	1.4	
	1.0	
1.1		1.3

5. Fill in the missing fractions:  
 (a)  $\frac{7}{10} - \square = \frac{3}{10}$  (b)  $\square - \frac{2}{15} = \frac{1}{3}$  (c)  $3 - \square = \frac{3}{5}$
6. Find: (a)  $\frac{2}{3} + \frac{3}{4} + \frac{1}{2}$  (b)  $4\frac{2}{3} + 3\frac{1}{4}$  (c)  $\frac{4}{3} - \frac{1}{2}$  (d)  $\frac{5}{9} + \frac{2}{3}$
7. Multiply and reduce to lowest form and convert into a mixed fraction.  
 (a)  $15 \times \frac{3}{5}$  (b)  $5 \times \frac{2}{9}$  (c)  $5 \times 6\frac{3}{4}$  (d)  $3\frac{1}{4} \times 6$  (e)  $20 \times \frac{4}{5}$

8. Arrange the following in ascending order:

(i)  $\frac{5}{6}, \frac{1}{2}, \frac{5}{8}$  (ii)  $\frac{2}{5}, \frac{3}{10}, \frac{2}{6}$

9. Lilli has ₹ 1000. This is  $\frac{3}{8}$  of the amount she earned. How much did she earn?

10. Family Photograph has length  $24\frac{2}{3}$  cm and breadth  $20\frac{2}{5}$  cm. It has border of uniform width  $3\frac{3}{5}$  cm. Find the area of framed photograph.

11. Ravi travel 720 km on  $\frac{3}{5}$  of his Petrol tank. How far would he travel at the same rate with a full tank of Petrol?

12. Find: a)  $\frac{2}{5} \div \frac{1}{2}$  b)  $2\frac{1}{3} \div \frac{3}{5}$  c)  $3\frac{1}{2} \div \frac{8}{3}$  d)  $2\frac{1}{5} \div 1\frac{1}{5}$

13. Find the reciprocal of each of the following. Classify the reciprocals as proper fractions, improper fractions and whole numbers.

(i)  $\frac{2}{5}$  (ii)  $\frac{11}{8}$  (iii)  $\frac{6}{5}$  (iv)  $\frac{1}{3}$  (v)  $3\frac{1}{2}$  (vi)  $2\frac{8}{5}$

#### DECIMALS:

14. a. Express 5 cm in metre and kilometre

b. Express 25 mm in cm, m and km

15. a. write each number in standard form:

a.  $(3 \times 100) + (3 \times 10) + (7 \times 1) + (4 \times \frac{1}{10}) + (3 \times \frac{1}{100})$

b.  $(8 \times 100) + (4 \times 10) + (1 \times \frac{1}{10}) + (9 \times \frac{1}{100})$

16. Evaluate: a)  $0.03 + 8.02$  c)  $7.36 - 7.28$

b)  $0.88 + 4.55$  d)  $5.08 - 3.5$

17. Find: a)  $108.07 \times 100$  b)  $0.5 \times 0.05$  c)  $100.01 \times 0.11$

#### Numbers System:

a. write Tables from 2 to 16 - Two times

b. Find the factors for the following numbers

(i) 21 (ii) 18 (iii) 30 (iv) 36 (v) 42 (vi) 33 (vii) 45

# KENDRIYA VIDYALAYA SANGATHAN, CHENNAI REGION

## SUMMER HOLIDAY HOMEWORK 2018-19

CLASS: VII

SUB: SCIENCE

ACTIVITIES	LEARNING OUTCOME & DURATION
<p>1. Making useful items from only waste materials ( decorative pieces/ scientific models) <a href="https://www.youtube.com/watch?v=1fDyTMeat0k">https://www.youtube.com/watch?v=1fDyTMeat0k</a></p> <p>2. <b><u>Preparing the bottle in 5 minutes</u></b></p> <p>Step1 : cut the top of the plastic bottle</p> <p>Step 2: thoroughly clean the bottle with boiling water.</p> <p>Step 3: pour clean gravel into the bottle up to 2 cm, gravel prevents the soil from rotting</p> <p>Step 4: Now fill the bottle with about 5 cm of fresh garden soil and try to keep the bottle clean to avoid gems and moulds. Boiling water should be poured into the gravel and soil in advance.</p> <p><b><u>PLANTING IN 15 Minutes</u></b></p> <p>Step 1: select suitable variety of plants.</p> <p>Step 2: plant should be healthy and plant it from the pot along with soil from where it has removed.</p> <p>Step 3: add ornamental pebbles.</p> <div data-bbox="952 1029 1500 1428"><p>1. SCISSORS 2. TRANSPARENT MASKING TAPE 3. LARGE GLASS OR PLASTIC RECYCLED BOTTLE 4. PLANT SELECTION (EXAMPLE: CACTUS, HERBS, BRASSES, MOSS) 5. PEBBLES 6. SOIL 7. BOTTLE LEAD / DORK 8. SPRAY BOTTLE 9. CHOPSTICK</p></div>	

### **REGULATING THE BIOSPHERE**

STEP 1: Add boiled water about 2 cm in the bottle and spray the leaves with water.

Step 2; Close the bottle so that it is air tight. During the first day check to see whether in the morning dew drops are formed in the inner walls of the bottle. The walls of the bottle should dry during the course of the day, if that is not the case, the biotope is too wet. Open the bottle again until the moisture level is correct. If there is no dew or the leaves of the plant are hanging down carefully add some water. These steps should possibly be repeated until the climate is correctly regulated.

Step 3: Afterwards attach the upper and bottom parts of the bottle with masking tape to ensure it is tightly sealed.

3. Visit a doctor and find out :

- a) Under what conditions does a patient need to be on a drip of glucose ?
- b) Till when does a patient need to be given glucose ?
- c) How does glucose help the patient recover ?

Write your discussion in A4 sheet submit to your science teacher

### **OBSERVE AND BE AMAZED :**

Now you can see how a self contained small plant world

emerges in the bottle. However now and then check

the plants are healthy.

# KENDRIYA VIDYALAYA SANGATHAN, CHENNAI REGION

## SUMMER HOLIDAY HOMEWORK 2018-19

**CLASS: VII**

**SUBJECT: SOCIAL SCIENCE**

### 1. Type of forest

- Features of forests (classification).
- Flora and fauna of all types of forest.
- Geographical location of all the forests in the world.
- Explain, draw colour (A3 SHEET) and explain in your own words.

2. Major domains of the Earth - lithosphere, hydrosphere, atmosphere. (Draw and label it in A4 sheet). Continents and oceans of the world. (in outline map)

3. Research Time: Choose -on any one endangered species. Find Reasons for their possibility of being endangered. Efforts taken by the government for their protection.

4. Poster Making: Topic “Forest- The beauty of the earth”. The conservation of forests. Any one (A3 Sheet)

5 Watch and reflect over it all:

<https://www.youtube.com/watch?v=E6zW43U7yqM>

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

Now Reason out- Why does life exist only on the Earth? What are we doing to this beautiful planet Earth? What could it lead to? How can we stop harming it more?

# KENDRIYA VIDYALAYA SANGATHAN, CHENNAI REGION

## 2018-19 SUMMER VACATION HOME WORK

CLASS: VII

SUB: ENGLISH

S. No	TOPIC	LEARNING OBJECTIVES	EVALUATION CRITERIA	DURATION
1.	<b>MY MAGAZINE (BOOKLET)</b> a. Story writing (Mystery / Science fiction) b. Poem c. Visit to a place with a photograph and a brief description(any place) d. Diary – entry (Celebration/Match witnessed)-any one e. A short article-My favourite Leader/sports person/food/game/film star( any one )	To develop Writing & Creative skills	a. Content b. Expression c. Creativity d. Presentation e. Layout f. Magazine Title	Summer Vacation= 50 days
2.	<b>Newspaper / Magazine Reading</b> a) Identify 5 new words with the help of a dictionary and write two synonyms and two antonyms of the same 5 new words	Practice for <b>Section – A</b> To enrich vocabulary	a. Selection of article b. Dictionary reference	Once in a week
3	<b>Listen to English news</b> and prepare two topics for <b>JAM (Just a Minute)</b>	To develop listening Writing & Speaking skills	<b>JAM</b> a) Title b) Content c) Accuracy	Every day

## कक्षा-7

क्र.सं.	गृह-कार्य	उद्देश्य
1	अपनी दादी के बारे एक सांचेचत्र अनु- लोखेए।	सामाजिक,आध्यात्मिक और नैतिक   मूल्यों का विकास
2	महाभारत की वशावली की तरह अपने पारेवार   र की सांचेचत्र वशावली तैयार करे।	सांचेचत्र समझने की शक्ति का विकास
3	हिमालय से निकलने वाली नदियों के नाम लोखेए   साथ ही नदियों के लाभ की सांचेचत्र    लोखेए   नो-चित्र के रूप में अखबार की कतरन का प्रयोग कर सकते हैं।	सामाजिक मुद्दों के प्रति जागरूकता
4	गमों की छोट्टियाँ में पहाड़ी क्षेत्र में घूमने का   ल आग्रह करते हुए पिताजी को पत्र लोखेए।	लेखन कला का विकास।