

KENDRIYA VIDYALAYABanswara

SUMMER BREAKHOLIDAYS HOMEWORK

Class 8

- 1) Learn Multiplication Tables from 1 to 20.
- 2) Learn Squares of the numbers from 2 to 25.
- 3) What properties, the following expressions show?

(i) $2/3+4/5=4/5+2/3$

(ii) $1/3 \times 2/3 = 2/3 \times 1/3$

(iii) For two Rational Numbers , a and b , a+b is also a Rational Number.

- 4) If a = 12, b = 34, verify the following:

(i) $a \times b = b \times a$

(ii) $a + b = b + a$

- 5) Find which of following are rational numbers: 67, $-1/2$, 0, $1/0$, $100/0$
- 6) Find the reciprocal of the following rational numbers:

(a) $-3/4$ (b) 0 (c) $6/11$ (d) $5/-9$

- 7) Identify the linear equations in one variable from the given expressions.

(a) $x^2 + x = 2$

(b) $3x + 5 = 11$

(c) $5 + 7 = 12$

- 8) Find five rational numbers between $1/2$ and $1/3$

- 9) Multiply $5/8$ by the reciprocal of $-3/8$

10) Write any 5 rational numbers between $-5/6$ and $7/8$

20) Do as directed :

11) Calculate the following:

$$(a) \frac{-4}{5} \times \frac{3}{7} + \frac{4}{5} \times \frac{3}{7} \qquad (b) \frac{1}{2} \times \frac{5}{6} + \frac{1}{3} \times \frac{1}{4}$$

12) Represent the following rational numbers on number lines.

(a) $-2/3$

(b) $3/4$

(c) $3/2$

13) Check whether the linear equation $3x + 5 = 11$ is true for $x = 2$

14) Form a linear equation from the given statement: 'When 5 is added to twice a number, it gives 11.'

15) My father's age 5 years ago plus twice my age now gives 65. My age 5 years ago plus three times my father's age now gives 130. What is my father's age?

16) If the sum of two consecutive numbers is 11, find the numbers

17) Solve for x:

$$\frac{7x+14}{3} - \frac{17-3x}{5} = 6x - \frac{4x+2}{3} - 5$$

18) Write two such rational numbers whose multiplicative inverse is same as they are.

19) What is the multiplicative identity of rational numbers?

i) Add $2/5$ and $-3/7$

ii) Subtract $3/8$ from $-4/7$

iii) Multiply $6/5$ and $17/13$

iv) Divide $4/9$ by $-13/12$

PROJECT

Make a Project on " Importance of Mathematics in Real World. "

CCT QUESTION

MATHEMATICAL UNIT 1: SWEET SHOP

Three friends Ram, Rahim and David went to “RADHEY SWEET MART” to purchase some sweets, namkin and cold drinks for New year party. The following chart shows the price and available stock of sweets and namkin in the shop.

S.NO.	SWEETS AND NAMKIN	AVAILABLE STOCK	PRICE
1	SWEET LADDU	10 Kg	₹ 400 per Kg
2	JALEBI	8 Kg	₹ 360per Kg
3	BARFI	7 Kg	₹ 300 per Kg
4	MIX-NAMKIN	100 packets	₹ 80 per packet
5	POTATO CHIPS	80 packets	₹ 30 per packet
6	COLD DRINKS	50 Bottles	₹ 50per bottle
7	ROASTED DRY FRUITS	12 Kg	₹ 1000 per Kg

Question 1.1: After purchasing 500gm of sweet laddu, jalebi and barfi each, Ram had ₹150 left with him. How much money does Ram had before the purchase? Show your work.

Question 1.2: Ram wants to purchase one packet of Mix-Namkin and two packets of potato chips with the remaining ₹150. Explain whether he can purchase it or not.

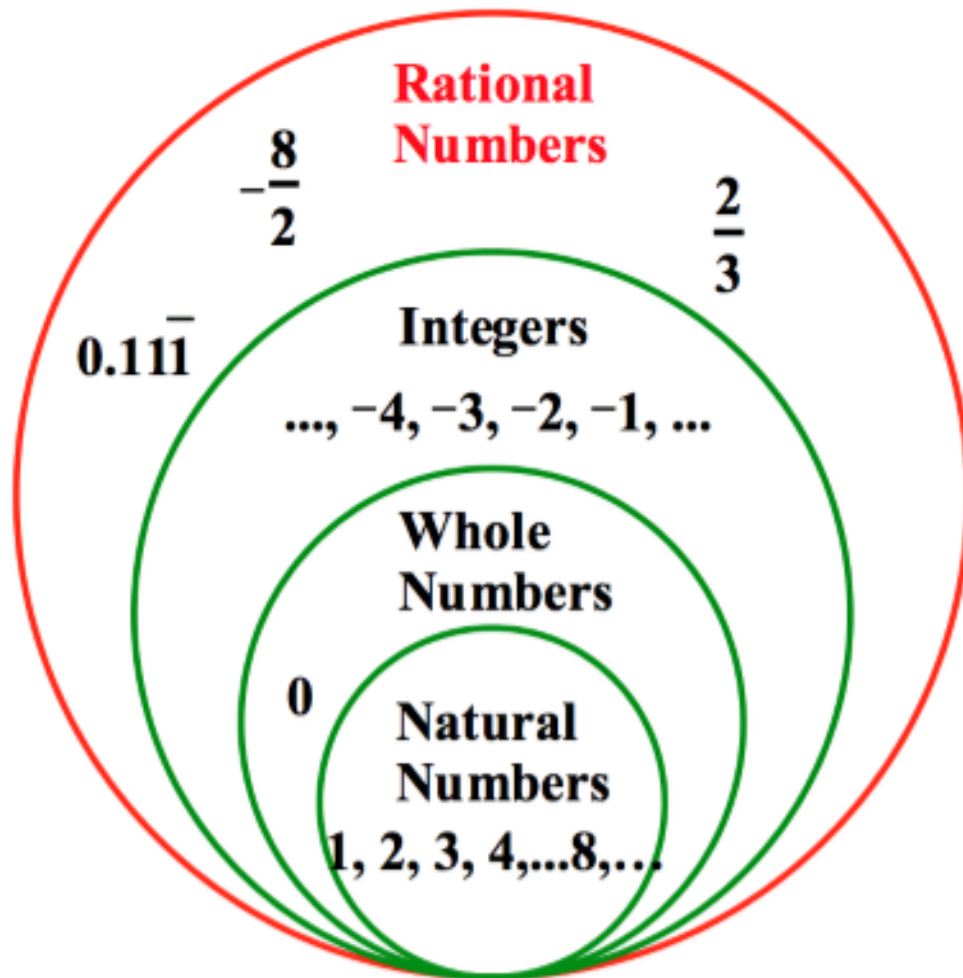
Question 1.3: Rahim had ₹200 and wants to purchase one packet of Mix-Namkin, one packet of potato chips, 250gm Sweet laddu and one bottle of cold drink. But due to insufficient money he had to reduce the quantity of one of the item. Find out the name of that item along with reason.

Question 1.4: David had ₹250 and wants to purchasethose items which were not purchased by his friends. Choose the correct list of items he will purchase.

- (i) Jalebi
- (ii) Roasted Dry fruits
- (iii) Barfi
- (iv) Potato chips

Note: All the students have to write solutions for these questions in a separate notebook.

ACTIVITY 1(MAKE ON A4 SHEET)



SCIENCE

HOLIDAY HOME WORK

NCERT EXERCISE OF CHAPTER 2

Microorganisms Friend and Foe.

Ten new words of science from chapter 2

ENGLISH

HOLIDAY HOME WORK

- (1) 20 new words and its meaning. Also use in sentence
- (2) 20 thoughts
- (3) 2 poem

SOCIAL SCIENCE

- 1 Make a list of Natural resources.
- 2 Make a list of Human made resources.
- 3 make a list of renewable resources and non renewable resources.
- 4 Write the book name of jhems mill.
- 5 take a political map of world and mark the way of trade that path used by east India company

विषय- संस्कृत

1. पाठ- 1 & 2 के प्रश्नोत्तर
2. पठ धातु रूप
3. राम , लता , फल शब्द रूप

विषय- हिन्दी

1. 5 पत्र
2. 5 अनुच्छेद
3. पाठ 1 & 2 के प्रश्नोत्तर