



# Sainik School Amethi



## SUMMER HOLIDAY HOMEWORK

(2024-25)

**CLASS: VII**

**SUBJECT: Mathematics**

### Instructions:-

1. Solve the following worksheets in holiday homework notebook.
2. Activities to be done on A4 size sheets.

### Activity:-

- Show division of natural number by a fraction using paper activity.  
Show multiplication of integers using unit squares of different color.

### Worksheet 1:-

1. What is the difference between greatest two digit positive number and smallest three digit negative number?

2. What is the value-

$$(-216)-(-315) +(-98)-(-71)+(28)-(-56)$$

3. Fill It-

a.  $(-55)+ \underline{\hspace{2cm}} =(-89)$

b.  $(-70) + \underline{\hspace{2cm}} = 5$

c.  $(-7) \times 2 = \underline{\hspace{2cm}}$

d.  $86-(-47) = \underline{\hspace{2cm}}$

4. Verify the following

i)  $(-25) \times [(-7) +(-15)] = [(-25) \times (-7)] + [(-25) \times (-15)]$

ii)  $(-7) \times [-8 +9] = [-7 \times (-8)] + [-7 \times 9]$

5. Find the Product using Properties:-

i)  $8795 \times 2391 - 2391 \times 7759$

ii)  $(-9785) \times 937 + (-215) \times 937$

iii)  $35 \times (-25) \times (-5) \times 10$

6. Write down a pair of integers whose

- a. sum is 3
- b. sum is 0
- c. Difference is 2
- d. Difference is 5

7. What will be the sign of the product  $a * b$

i) a is the product of 5 positive integer and b is the product of 9 negative integers.

ii) a is the product of 6 positive integer and b is the product of 8 negative integers.

8. In a class test containing 15 questions , 4 marks are given for every every correct answers and (-1) mark are given for every incorrect answers.

i) Gokul attempts all questions but only 6 of his answers are correct . What is his total score?

ii) Neena gets 12 of her answers correct . what will be her score?

9. Fill with  $<$  ,  $>$  or  $=$

- a.  $(-3)+(-6)$  \_\_\_\_\_  $(-3)-(-6)$
- b.  $(-21) -(-10)$  \_\_\_\_\_  $(-31) + (-11)$
- c.  $45-(-11)$  \_\_\_\_\_  $57+(-4)$
- d.  $(-25)-(-42)$  \_\_\_\_\_  $(-42)-(-25)$

10. The temperature of a city was found to be  $30^{\circ}$  on a particular day . Next day , the temperature was found to be  $-40$ . What is the change in the temperature of the city over the two days ?

### Worksheet 2 :-

1) Fill in the blanks: -

i) A fraction is a number which can be written in the form  $a/b$ , where a, b are \_\_\_\_\_ numbers \_\_\_\_\_  $ab \neq 0$ .

ii) If numerator and denominator of a fraction have no common factor other than 1, then the fraction is said to be in its \_\_\_\_\_ form.

iii) If  $312.5 \div 25 = 12.5$ , then value of  $3.125 \div 25$  is \_\_\_\_\_.

iv) When a decimal number is multiplied by 10,000 or 100, the digits in the product are same as the decimal number but the decimal point in the product is shifted to the \_\_\_\_\_, by as many of places as there are zeros over one .

2) A fruit seller buys 712 fruits, of which  $\frac{3}{4}$  are apples. Of all the apples that he bought,  $\frac{1}{3}$  were found to be rotten. If he sold all the good apples at Rs.5 each. How much money did he received on selling all the good apples?

3) State true/ false for the following statements -

i) A decimal fraction is a fraction where the denominator is 10 or higher power of 10.

ii) Every integer can be expressed as a fraction.

4) A square paper sheet has  $10^2$  cm long side. Find its perimeter and area.

### WORKSHEET – 3

1. Represent 3 kg 9 gm using decimals.

2. Find -

a)  $8.1 \times 2.1$

b)  $3.2 \times 5.34$

c)  $1.2 \times 2.53$

d)  $21.365 \times 10$

3. Express as rupees using decimals –

a) 479 paise

b) 2 rupees 30 paise

c) 25 rupees 85 paise

d) 75 paise

4. Express 75 mm in cm, m and km.

5.



What decimal represents the shaded part?

6. Rose spends Rs. 56.78 for Science textbook and Rs. 82.35 for Maths text book. Find the total amount spend by Rose.

7. Which of the following is false?

(a)  $0.735 > \frac{3}{4}$

(b)  $\frac{9}{10} < 0.91$

(c)  $\frac{5}{6} > \frac{7}{9}$

(d)  $-0.375 = -\frac{3}{8}$

8. Ajmal bought 21 kg 360 g of wheat and 37 kg 350g of rice. Roshan bought 32 kg 500g of wheaand 28 kg 150 g of rice. Who bought more cereals and how much? Calculate your answer in kg.

9. Convert each of these unlike decimals into like decimals :-

(a) 0.1, 3.68, 1

(b) 1.11, 12.754, 92.5, 17

(c) 8.39, 9.236, 24.8, 263.07, 3

(d) 0.91, 65.87, 21, 9.3064

**NOTE :-**

**DO CHAPTER 3 FROM M.L AGRAWAL BOOK .**

**ALSO BRING WITH M.L AGRRWAL, NCERT BOOK AND GEOMETRY BOX AFTER THE SUMMER VACATION .**

