HOLIDAY HOME-WORK
CLASS-VIII

MATHEMATICS

Do the given worksheet in the practice notebook.

CLASS - VIII
WORKSHEET

Q1. Represent the following on number line:

a) 19/2   b) -16/3

c) 3.4   d) 0.5

Q2. Find 10 rational numbers between 3/5 and 5/12 using L.C.M. method.

Q3. The sum of two rational numbers is 13/5.If one of them is -3/2, find the other.

Q4. Sachin got a prize money of Rs.1200.He spent 2/3 of the money on buying shoes for himself and gave 1/4 of the remaining money for charity.He also spent 1/3 of the remaining money to buu a gift for her friend.How much money is left with him?

Q5. Verify associativity of multiplication of rational numbers for the following:

a) 1/2 , 3/4 , 5/6   b) 3/7 , 5/6 , 14/ 23

Q6. Find two rational numbers between the following using average method:

a) -2 and -3   b) 2/3 and 13/14

Q7. Using appropriate property find the value of:

$$-2/3 \times 5/6 \ - 2/3 \times 4/7$$

Q8. Simplify the following expression and wite the additive and multiplicative inverse of the result obtained:

$$4/3 \times 1/2 \div 3/2$$

Q9. Find the value of x , if :

a) $3^{27} \div 3^{14} = 3^{2x}$ b) $(6/7)^{-4} \times (6/7)^{13} = (6/7)^{3x}$

Q10. Expand the following numbers using exponential notation:

a) 23564.196   b) 1983. 21003

Q11. Which is greater?

a) 2.5×10^5 or 7.4×10^{-5}

b) 1.9×10^{-6} or 1.2×10^{-7}

Q12. Simplify the following and write the multiplicative inverse of the answer obtained:

$$\{(-3)^4 \times (-3)^{-4}\} \div (-3)^4$$