Class VIII   Session 2021-2022

Subject: Mathematics

TOPIC : RATIONAL NUMBERS

Greetings for the new session .

Syllabus for Periodic Test 1

MARCH/APRIL	CH-1 Rational Numbers
PERIODIC TEST 1	CH-16 Playing with numbers

General instructions

Students will solve the questions under the title worksheet in their maths register.

Practice questions and examples from NCERT maths textbook.

EXAMPLE 1

SOLVE

$-\dfrac{3}{4}+\dfrac{2}{9}$

$=\dfrac{-27+8}{36}$

$=\dfrac{-19}{36}$

EXAMPLE 2

VERIFY

a) **a+b = b+a when a=3/4 ,b=-1/5**

LHS=a+b

$=3/4+(-1/5)$

$=\dfrac{15-4}{20}=11/20$

RHS=b+a

-1/5+3/4

$\dfrac{-4+15}{20}=11/20$

LHS=RHS Hence verified

Q1) Tanya bought a pen for Rs 27/2,a book for Rs 53/3 and an ice-cream for Rs61/4.How much money did he spend in all?

Q2) Find a) reciprocal of $\frac{3}{5}$x $\frac{4}{7}$

   b) reciprocal of -6/13

Q3) Is -$\frac{9}{11}$ the multiplicative inverse of $1\frac{2}{9}$? Give reasons.

Q4) Verify a+b=b+a when a=2/5,b=-7/6

Q5) Verify x-y is a rational number if x=-3/7 ,y=-2/5

Q6)Find additive inverse of

   a) 5/8   b)-2/-3

   Q7) On the number line represent

   a) 5/9   b)11/4