ASSIGNMENT NO.1

STD –VIII SUBJECT – MATHS CH. NO. -1

1. A drum full of rice weighs 4016 kg . if the empty drum weights 1334 kg find the weight of rice in the drum ?
2. Verify that $\left(a x b\right)^{-1}$ = $a^{-1}$ x $ b^{-1}$ when a = $\frac{-3}{5}$ , b = $\frac{-2}{3}$
3. Arrange the following numbers in ascending order $\frac{-3}{5}$ , $\frac{1}{3}$ , $\frac{-4}{6}$
4. Write five rational number greater than -2 ?
5. Write four rational numbers smaller than -8 ?
6. Write down the multiplicative inverse and additive inverse of -7
7. Prove that – (-x) = x for x= $\frac{ -11}{15}$
8. ……………………… is the multiplicative identity for rational numbers ?
9. ………………………… is the additive identity for rational numbers ?
10. Explain the commutative property for rational numbers ?
11. Explain the distributive property for rational numbers ?
12. Is 0.5 multiplicative inverse of 5 $\frac{1}{5}$ why or why not ?
13. ………………………. Is the rational number which has no reciprocal ?
14. Which rational number has the same reciprocal ?
15. Find five rational numbers between -2 and 1
16. List 8 rational numbers greater than -6 ?
17. List 5 rational numbers smaller than -4?
18. Using properties solve $\frac{-4}{5}$ x $\frac{2}{7}$ + ($\frac{-18}{9}$) x $\frac{4}{7}$ - $\frac{2}{7 }$ x $\frac{2}{15}$
19. Using properties solve $\frac{8}{9}$ x $\frac{4}{5}$ + $\frac{5}{6}$ - $ \frac{9}{5}$ x $\frac{8}{9}$
20. Find the ten rational numbers between $\frac{-2}{5 }$ and $\frac{1}{2}$
21. Find any 2 rational numbers smaller than -4
22. Represent $\frac{-2}{7}$ on a number line
23. What is the difference between multiplicative identity and multiplicative inverse?
24. The product of two numbers is $ \frac{-7}{8 }$ if one of them is $\frac{5}{14 }$ , find the other ?
25. Find ten rational numbers between $\frac{-1}{2}$ and $\frac{3}{4}$ ?
26. Write four equivalent rational numbers of $\frac{-5}{8}$ ?