

VIVEKANANDA KENDRA VIDYALAYA, LAIPULI  
HOME ASSIGNMENT  
CLASS- VIII  
SUB: MATHEMATICS

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*General Instructions:*

- Students must write the assignment in their Class work copy.
  - The Assignment must be submitted in Google Classroom.
  - The last date for submission of Assignment is 20/06/2021
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1. Write the additive inverse of  $\frac{-5}{7}$ .
  2. Write the multiplicative inverse of -1.
  3. Using appropriate properties find:  $-2/3 \times 3/5 + 5/2 - 3/5 \times 1/6$ .
  4. Which numbers have their own reciprocal?
  5. Represent  $7/4$  on number line.
  6. Find five rational numbers between  $-3/2$  and  $5/3$ .
  7. Solve: a)  $x-2=7$   
b)  $7x-9=16$   
c)  $x = \frac{4}{5}(x + 10)$   
d)  $\frac{3t-2}{4} - \frac{2t+3}{3} = \frac{2}{3} - t$   
e)  $3(t-3)=5(2t+1)$
  8. If you subtract  $1/2$  from a number and multiply the result by  $1/2$ , you get  $1/8$ . What is the number?
  9. Two numbers are in ratio 5:3. If they differ by 18, what are the numbers?
  10. Shobo's mother's present age is six times Shobo's present age. Shobo's age five years from now will be one third of his mother's present age. What are their present ages?
  11. Sum of the two digit numbers is 9. When we interchange the digits, it is found that the resulting new number is greater than the original number by 27. What is the two-digit number?
  12. Find the square of 32 and 86.
  13. Find the square root of 1764 by Prime Factorisation method.
  14. Find the smallest number by which 180 must be multiplied to get perfect square?
  15. Find the square root of 3481 by Division method.
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