SATISH CHANDRA MEMORIAL SCHOOL

LINEAR EQUATIONS IN ONE VARIABLE

CLASS: VIII

CHAPTER TEST **DATE: 20/04/2020**

1. **The value of x in the equation $\frac{1}{x+1} = 5$ is ……**
2. **If 5 times of a number increased by 4 is 39. The number is**
   a) 5 b) 6 c) 4 d) 7
3. **If the sum of three consecutive number is 18, then the second number is ……**
4. **The perimeter of a rectangle is 13 cm and its width is $2\frac{3}{4}$ cm. Find its length.**
5. **Solve $0.25(4f - 3) = 0.05(10f - 9)$ and check the solution.**
6. **Solve: $\frac{p+q}{x-q} = \frac{p-q}{x+q}$**
7. **Solve: $5x + \frac{7}{2} = \frac{3}{2}x - 14$**
8. **A two-digit number is such that the sum of its digits is 4. If 18 is added to the number, its digits are reversed. Find the number.**
9. **Lakshmi is a cashier in a bank. She has currency notes of denominations of Rs100, Rs50 and Rs10 respectively. The ratio of the number of these notes is 2:3:5. The total cash with Lakshmi is Rs400000. How many notes of each denomination does she have?**
10. **Three consecutive integers are such that when taken in increasing order and multiplied by 2,3and 4 respectively, add up to 74. Find the numbers.**

Answers: Q4. $3\frac{3}{4}$, Q 5. 0.6, Q6. -p, Q7. -5, Q8. 13, Q9. 2000,3000,5000, Q10. 7,8,9.