

**BHARATIYA VIDYA BHAVAN'S V.M.PUBLIC SCHOOL, VADODARA**  
**SESSION 2017-18**

**Question bank**

**Chapter 12 . Linear Equation in One Variable**

Q1. Solve the following and check the result

- a)  $x + 9 = 12$
- b)  $4x - 3 = 5$
- c)  $\frac{3x}{10} - 4 = 14$
- d)  $3(x + 6) = 24$
- e)  $-3 - p = -9$

Q2. Thrice a number added to 24 equals 300. What is the number ?

Q3. What is the value of a in the equation  $3a = 24$ ?

Q4. If 12 chocolates are given to each student, how many chocolates are given to p students?

Q5. Complete the table by writing whether the given value of the variable satisfies the equation or not .

Sl No	Equation	Value of the variable	Satisfied yes or No
1	$20 - y = 15$	$y = 6$	
2	$2(y-1) = 12$	$y = 7$	
3	$5k - 5 = 25$	$K = 6$	

Q6. Write each of the following statements as an equation

- a) A number increased by 4 equals 23
- b) A number exceeds by 4 is 8
- c) Twice a number subtracted from 19 is 11

Q7 Solve the following equation  $\frac{38}{9} = x + \frac{1}{8}$

Q8." In a class of 40 students, the number of girls is two-fifth of the number of boys. The number of boys is x." Write the mathematical statement to represent the situation. Is this an equation ? why?

Q9. If we take away 10 from Priya's current age, we get 1. Find her age 10 years from now?

Q10. The sum of a number and 8 is 25. What is the number?

