

MATHS (PART - I)

I. Fill in the blanks:

1. Equal 2. $3n + 7 = 1$ 3. Same 4. Solution

5. Students' Answer

(Change the following statements in equation from (Q. No. 6 to 8)

6. $3z - 5 = 45$ 7. $20b = 100$ 8. $y - 2 = 8$ 9. No 10. True 11. $x = 2$

II. Answer the following questions:

12. $7n + 3 = 17$ Put $n = 0$

$$7(0) + 3 = 17$$

$$3 \neq 17$$

Put $n = 1$

$$7(1) + 3 = 17$$

$$7 + 3 = 17$$

$$10 \neq 17$$

Put $n = 2$

$$7(2) + 3 = 17$$

$$14 + 3 = 17$$

$$17 = 17$$

LHS = RHS

Hence $n = 2$ is the required solution.13. i) $5a - 17 = 18$ ($a = -1$)

$$5(-1) - 17 = 18$$

$$-5 - 17 = 18$$

$$-22 \neq 18$$

 $a = -1$ is not the solutionii) $3(0) - 3 = -3$

$$-3 = -3$$

$$\text{LHS} = \text{RHS}$$

 $P = 0$ is the solution.14. i) $3q - 6 = 21$

Adding 6 on both sides,

$$3q - \cancel{6} + \cancel{6} = 21 + 6$$

$$q = \frac{27}{3}$$

$$q = 9$$