

Using Compensation in Breaking Apart Ones and Tens for Addition

$$31 + 16 = ?$$

Addend with greater ones digit = 16

You need 4 to make 16 a tens number.

$$16 + 4 = 20$$

Now, takes that many ones away from the other addend.

$$31 - 4 = 27$$

Add the new two addends.

$$27 + 20 = 47$$

So, 47 is the answer of the addition of 31 and 16.

Solve the problems according to the above solution

1. $23 + 45 = \underline{\quad} + \underline{\quad} = ?$

9. $71 + 12 = \underline{\quad} + \underline{\quad} = ?$

2. $56 + 78 = \underline{\quad} + \underline{\quad} = ?$

10. $85 + 21 = \underline{\quad} + \underline{\quad} = ?$

3. $34 + 67 = \underline{\quad} + \underline{\quad} = ?$

11. $74 + 35 = \underline{\quad} + \underline{\quad} = ?$

4. $89 + 12 = \underline{\quad} + \underline{\quad} = ?$

12. $48 + 16 = \underline{\quad} + \underline{\quad} = ?$

5. $45 + 23 = \underline{\quad} + \underline{\quad} = ?$

13. $59 + 27 = \underline{\quad} + \underline{\quad} = ?$

6. $78 + 56 = \underline{\quad} + \underline{\quad} = ?$

14. $33 + 69 = \underline{\quad} + \underline{\quad} = ?$

7. $21 + 43 = \underline{\quad} + \underline{\quad} = ?$

15. $25 + 72 = \underline{\quad} + \underline{\quad} = ?$

8. $65 + 87 = \underline{\quad} + \underline{\quad} = ?$

16. $12 + 91 = \underline{\quad} + \underline{\quad} = ?$