Express Missing Number Problems Algebraically

For each question, choose the correct equation to express the problem algebraically and use it to solve the problem.

Example:

12 more than a number is 34. What is the number?

$n + 12 = 34$ $\qquad$ $n = 12 + 34$ $\qquad$ $34 - 12 = n$ $\qquad$ $n =$ [22]

1. 10 less than a number is 26. What is the number?

$n - 10 = 26$ $\qquad$ $10 - n = 26$ $\qquad$ $n = 26 - 10$ $\qquad$ $n =$ [ ]

2. 16 is added to a number to make 35. What is the number?

$35 + 16 = n$ $\qquad$ $n + 16 = 35$ $\qquad$ $35 = 16 + n$ $\qquad$ $n =$ [ ]

3. 15 is subtracted from a number to make 26. What is the number?

$26 - n = 15$ $\qquad$ $15 - n = 26$ $\qquad$ $n - 15 = 26$ $\qquad$ $n =$ [ ]

4. 17 more than a number is 43. What is the number?

$17 + n = 43$ $\qquad$ $17 + 43 = n$ $\qquad$ $n + 17 = 43$ $\qquad$ $n =$ [ ]

5. A number has 13 added to it to make 42. What is the number?

$13 + n = 42$ $\qquad$ $42 = n + 13$ $\qquad$ $n = 13 + 42$ $\qquad$ $n =$ [ ]

6. What number has 24 added to it to make 51?

$n - 24 = 51$ $\qquad$ $24 + n = 51$ $\qquad$ $n + 24 = 51$ $\qquad$ $n =$ [ ]

7. What number has 19 subtracted from it to make 25?

$n - 19 = 25$ $\qquad$ $25 - n = 19$ $\qquad$ $n - 25 = 19$ $\qquad$ $n =$ [ ]

8. 56 is the total of a number and 27. What is the number?

$n + 56 = 27$ $\qquad$ $27 + 56 = n$ $\qquad$ $27 + n = 56$ $\qquad$ $n =$ [ ]