

If 0.5 x + 5 + 2 = x + 2 - 0.75, then the value of x is: 5.5 9.5 11.5 13.5 Show Answer... **Correct Answer: 11.5**

If 0.5 x + 5 + 2 = x + 2 - 0.75, then the value of x is:

A. 5.5 B. 9.5 C. 11.5 D. 13.5

Explanation:

0.5 x + 5 + 2 = x + 2 - 0.75 => 0.5 x + 5 = x - 0.75 => 5 + 0.75 = x - 0.5x OR x-0.5x=5+0.75 => 0.5x=5.75 = => x=5.75/0.5 => x=11.5

Another Method:

Let's solve the given equation:

0.5 x + 5 + 2 = x + 2 - 0.75



We can simplify the equation by combining like terms:

0.5 x + 7 = x + 1.25

Subtracting 0.5 x from both sides, we get:

7 = 0.5 x + 1.25

Subtracting 1.25 from both sides, we get:

5.75 = 0.5 x

Multiplying both sides by 2, we get:

11.5 = x

Therefore, the value of x is **11.5**.



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