

IGCSE Solve with one unknown

1. Solve the equation $3(y - 4) + \frac{y}{2} = 9$.

Answer $y =$ [3]

2. The cost of a cup of tea is t cents.
The cost of a cup of coffee is $(t + 5)$ cents.
The total cost of 7 cups of tea and 11 cups of coffee is 2215 cents.
Find the cost of one cup of tea.

Answer cents [3]

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3. Solve the equation $4x - 12 = 2(11 - 3x)$.

Answer $x =$ [3]