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| :---: | :---: |
| (1) |  |
| L | 8) The sum of three numbers is 24 . Twice the smallest numb number is equal to the sum of the other two. What are the system of equations to represent this situation. <br> Let $x$ be the 1 st $\#$ (smallest) <br> Let $y$ be the $2^{\text {nd }} \#$ (middle) <br> Let $z$ be the $3^{\text {ral }} \#$ (largest) |

9) A theater has tickets at $\$ 6$ for adults, $\$ 3.50$ for students, and $\$ 2.50$ for children under 12 years old. A total of 278 tickets were sold for one showing with a total revenue of $\$ 1300$. If the number of adult tickets sold was 10 less than twice the number of student tickets, how many of each type of ticket were sold for the showing? Identify the variables and set up a system of equations to represent this situation.
Try it!
10) A cashier has 25 coins consisting of nickels, dimes, and quarters with a value of $\$ 4.90$. If the number of dimes is 1 less than twice the number of nickels, how many of each type of coin does she have? Identify the variables and set up a system of equations to represent this situation.

Content Documents
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Keypad＋SideScreen

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linSolve $\left(\begin{array}{ll}\left\{\begin{array}{l}x+y+z=24 \\ 2 \cdot x=z-2 \\ z=x+y\end{array},\{x, y, z\}\right.\end{array}\right)$
The smallert \＃is 5 ，the mrdde $\#$ is
7 ，and the largest $\# 5,7,12\}$
－Document7 $\times$
