For the problems below, write the appropriate LET statements and the equation. Do NOT solve.

| 1. Five times a number is the same as the number decreased by 52 . Find the number. <br> het " $n$ " be the number $5 n=n-52$ | 2. To find the length of a certain rectangle you must triple the width and add 5 metres. If the perimeter of the rectangle is 74 metres, determine the dimensions. <br> het " $w$ " be the width <br> width length <br> $\omega$ $3 \omega+5$$2(\omega+3 w+5)=74$ |
| :---: | :---: |
| 3. Jeff has $\$ 4.05$ made up of nickels and dimes. If he has seven times as many nickels as dimes, how many dimes does he have? <br> let "d" be the number of dimes $\$ 4.05=405$ $10 d+35 d=405$ | 4. The sum of two numbers is 95 . The larger number increased by 21 equals the smaller number increased by 32 . Find the numbers. <br> det "s" be the smaller numbe- $95-5+21=5+32$ |
| 5. The length of a rectangle is 12 cm more than twice the width. The perimeter of the rectangle is 66 cm . Find the length and the width of the rectangle. | 6. The sum of two numbers is 45 . If 4 times the smaller number is increased by 3 times the larger number, the result is 150 . Find the numbers. <br> Let "Q" he the smaller number $4 a+3(45-9)=150$ |
| 7. The sum of two consecutive even integers is 114. What are the integers? <br> Let $n, n+2$ be the numbers $n+n+2=114$ | 8. Ron has $\$ 21.90$ made up of dimes and quarters. If there are 117 coins in all, how many quarters are there? let "d" be the number of dimes $\$ 21.90$ |
| 9. A parking meter contained 78 coins made up on dimes and nickels. The total value of the coins was $\$ 5.20$. How many dimes did it contain? Let "d" be the number of dino, $\$ 5.20=520 \mathrm{~d}$ | 10. Find two consecutive integers such that the larger minus twice the smaller is -13. <br> Let $n, n+1$ be the integers $n+1-2 n=-13$ |
| Value $10 d$ $5(78-d)$ <br> lod $+5(78-d)=520$  |  |

