

Incorrect. Try setting up the problem like this:

	Earnings	=	Rate	*	Number sold
Earrings	e	=	6	*	n
Necklaces	$232.50 - e$	=	7.50	*	$36 - n$

Which leads to this system:

$$e = 6n$$

$$232.50 - e = 7.50 \cdot (36 - n)$$

Solve for the variable n . The easiest way to do this is to substitute $e = 6n$ into $232.50 - e = 7.50 \cdot (36 - n)$, resulting in $232.50 - (6n) = 7.50 \cdot (36 - n)$. Then solve for n .