Further Percentages

1) Increase $t 48$ by $13 \%$

$$
\begin{gathered}
100+13=113 \% \\
z 48 \times 1.13=z 54.24
\end{gathered}
$$

2) Decrease $\& 67$ by $14 \%$

$$
\begin{aligned}
& 100-14=86 \% \\
& t 67 \times 0.86=t 57.62
\end{aligned}
$$

Reverse Percentages
Ext The price of car increases by $15 \%$ The new price is $\$ 8050$. What was the old price Old price $\times 1.15=\neq 8050$

$$
\begin{aligned}
48050 \div 1.15 & =\text { old price } \\
t 7000 & =\text { old price }
\end{aligned}
$$

Ex 2 A TV costs $\notin 720$ including $20 \%$ VAT Find ex-VAT price.
ex-vat price $x 1.20=t 720$

$$
\begin{aligned}
\& 720 \div 1.20 & =e x-\text { Vat price } \\
& =\neq 600
\end{aligned}
$$

