

Step $\mathcal{C}$ calculate percentage increase \& decrease
Increase $\$ 720$ by $12 \%$ Decrease $\$ 600$ by $35 \%$

| $720 \times 1.12$ | $600 \times 0.65$ |
| :---: | :---: |
| 806.4 | 390 |

To increase by $62.5 \%$ you
A car is $\$ 7500$. The price is increased multiply by
by $20 \%$ then decreased by $32 \%$. What is the new price?
To decrease by $62.5 \%$ you
$7500 \times 1.2=9000$ multiply by
$9000 \times 0.68=$
Step 3: percentage change
Find the \% change:

1) $\$ 578 \rightarrow \$ 705$

$$
\frac{705-578}{578} \times 100
$$

$$
21.97 \%
$$

2) $12 \mathrm{~kg} \rightarrow 8 \mathrm{~kg} \quad \frac{8-12}{12} \times 100-333 \%$
3) $120 \mathrm{~g} \rightarrow 720 \mathrm{~g} \quad \frac{720-120}{120} \times 100500 \%$ $\frac{\text { Change }}{\text { org }} \times 100$
4) $7.5 \%=240,000$
$1 \%=32000$
$100 \%=3200000$

Jeff has 68 books. This $70 \%$ more than last year. How many did he have last year?

$$
\begin{aligned}
170 \% & =68 \\
1 \% & =0.4 \\
100 \% & =40
\end{aligned}
$$

