

9. [10 pts] Alden bought a plane ticket and paid \$207.71 altogether, which included a 12.8% surcharge for taxes and fees. What was the actual cost of the ticket without the surcharge? Show clear work, but you need not explain.

(-6) 12.8% of \$207.71 deducted (\$181.12)

(-6) ÷ .128

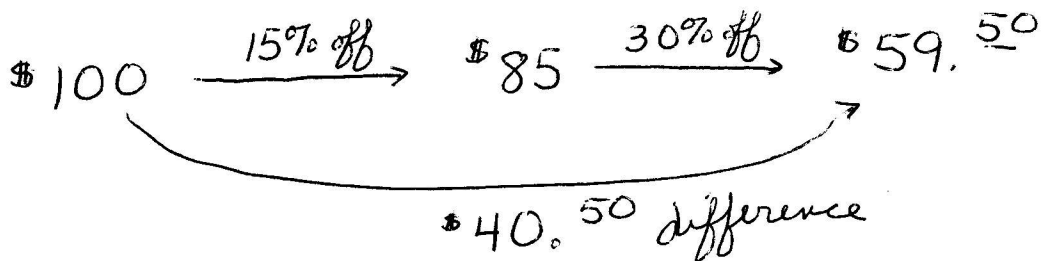
old amount x percent kept = new amount

$$x \cdot 1.128 = \$207.71$$

$$x = \frac{\$207.71}{1.128} = \boxed{\$184.14}$$

10. [10 pts] Kim bought an item marked with a 15% off sticker and got a surprise coupon for 30% off her entire purchase in a grab bag at the register. What is the overall percent of discount she will get on the item (round to the nearest tenth of a percent)? Show clear work, but you need not explain.

(-2) forget to subtract.



$$= \boxed{40.5\% \text{ off overall}}$$