Discounts

Discounts and shopping is probably the area of life where you will most often need percentages.

Example. *A laptop costs $600. Now it is 20% off. What is the new price?*

Simply put, we calculate 20% of $600. That is the discounted amount in *dollars*.
Then we subtract that from the original price, $600.

20% of $600 is $120. Then, $600 − $120 = $480.

Another way. Since 20% of the price is removed, 80% of the price is left.
So, by calculating 80% of the original price you will get the new discounted price:

0.8 × $600 = $480

1. All of the items are on sale. Calculate the discount amount in dollars, and the new price.

a.  Price: $90 20% off Discount amount: $_18_ New price: $_____	**b.**  Price: $5 40% off Discount amount: $_____ New price: $_____	**c.**  Price: $15 30% off Discount amount: $_____ New price: $_____

2. A $25 swimsuit was on sale for 20% off. Monica calculated the new, discounted price this way: $25 − $20 = $5.
What went wrong? Find the correct discounted price.

3. All the items are on sale. Find the new price.

 **a.** Price: $1.20 25% off New price: $_____	 **b** Price: $18 25% off New price: $_____	 **c.** Price: $150 30% off New price: $_____
 **d.** Price: $20 40% off New price: $_____	 **e.** Price: $2.20 10% off New price: $_____	 **f.** Price: $1.30 50% off New price: $_____