Discount: the amount (or \%) that is taken OFF of a price.

Sale Price: the price you pay once the discount is taken off.
(Original Price minus Discount)

## Example:

The regular price of a cell phone is
\$199.99. This week it is $25 \%$ off. $\frac{\text { Port }}{\text { whole }}=\frac{\%}{100}$
What is the amount of discount and
total the sale price? $\quad \frac{x}{199.99}=\frac{25}{100}$ L M ross
Amount of Discount $=x=\$ 50$
Sale Price $=\frac{\$ 149.99}{(199.99-50)}$

Example:
An iPod that regularly sells for
$\$ 210$ is on sale for $30 \%$ off. What
is the iPod selling for now? Find the amount of discount and the sale
price.

$$
\frac{x}{210}=\frac{30}{100}
$$

Amount of Discount $=X=\$ 63$
Sale Price =


Markup: the amount a price is increased. (stores buy an item and mark them up before selling to you)

Retail Price: the price that you pay in a store after it is marked up.

## ("whole sale price" plus amount of mark up)

Example:
A jeweler buys a ring from an artisan for \$855. He sells the ring in his store for a $135 \%$ markup. Find the amount of markup and the retail price in his store.

$$
\frac{x}{85}=\frac{135}{100}
$$

Amount of markup $=X=\$ 114.75$

$$
\text { Retail price }=\frac{\$ 199.75}{(85+114.75)}
$$

