M. U. = Markup

Amount Paid	<u>% Paid</u>	Amount Disc/M.U.	<u>% Disc/M.U.</u>
Original -	100	Original	100
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For #1-10, complete the following table, show all of your work on a separate sheet of paper.

	Old Price	Percent of Change (Disc/M.U.)	Amount of Change (Disc/M.U.)	New Price
1.	\$12	25% discount	.25 of 12 = .25 × 12 = 3 2 = 20 = 1003 = 300	12-3= 49
2.	\$60	10% markup	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	60+6=\$66
3,	\$50	1 20 = 20 = 20%	\$10 m.u.	\$60
4.	\$120	120 = 1 = 100%	\$120 m.u.	\$240
5.	\$200	230-200, 30 - 15 200 200 15%†	\$30 markup	<sup>\$</sup> 230
6.	\$250	150 = .6 = 60 To V	\$100 discount	\$ 150
7.	\$ 400 X 100	12% discount	\$48 discount	§ 352
8.	\$ 50 \( \frac{2.50}{\times} = \frac{5}{100} \)	5% markup	\$2.50 markup	<b>*</b> 52.50
9.	\$200 \frac{160}{\times} = \frac{80}{100}	20% discount	\$40 disc-	\$160
10.	50 - 180 7 7(x) X=33,33	150% markup	\$16.67	\$50

For #11-17, ...

solve each problem.

11. A basketball backboard set that sold for \$79 was discounted 15%. What is the new price?

$$79 \times .15 = 11.85$$
  
 $79 - 11.85 = [567.15]$ 

12. A parka that sold for \$65 is marked up to \$70.20. What is the percent of the markup?

13. A stereo tape deck that sold for \$235 was on sale for \$202.10. What was the percent of discount?

14. At the end-of-summer sale, an air conditioning that sold for \$310 was discounted 21%. What was the sale price?

15. Because of an increase of 8% in wholesale prices, a shoe store had to mark up its new stock by the same percent. What was the new price of a pair of shoes that had sold for \$24.50?

$$24.50 \times .08 = 1.96$$
  
 $24.50 + 1.96 = [$26.46]$ 

16. A department store has a sale on gloves. The sale price is 18% less than the original price, resulting in a savings of \$2.97. What was the original price of the gloves? What was the sale price of the gloves?

$$18\% \text{ of } x = 2.97$$

$$\frac{2.97}{x} = 18$$

$$100$$

$$18x = 297$$

$$[x = 76.50]$$

17) During the 75% off sale, Chad pays \$22 for a wooden bench. What was the original price?

 $25 \times = 2200$ 18) A computer software retailer used a markup of 40%. Find the selling price of a computer game that cost the retailer \$25.

$$25 \times .4 = 10$$

$$25 + 10 = [\$35]$$

19) A golf shop pays its wholesaler \$40 for a certain club, and then sells it to a golfer for \$75. What is the markup rate?

$$\frac{75-40}{40} = \frac{35}{40} = .875 = \boxed{87.5\%}$$

20) An item that regularly sells for \$425 is marked down to \$318.75. What is the discount rate?

$$\frac{425 - 318.75}{425} = \frac{106.25}{425} = .25 = 25\frac{5}{6}$$

21) A shoe store uses a 40% markup on cost. Find the cost of a pair of shoes that sells for \$63. before the markup.

$$63 \times .4 = 25.2$$

$$63 + 25.2 = \frac{9}{88.20}$$