

# MasterMath

Name \_\_\_\_\_

Date \_\_\_\_\_

## Discounts, Markups, Simple Interest

### 1. Find the Sale Price, rounded up to the nearest penny

Original Price	Discount	Sale Price
\$19.95	10%	
\$149.95	15%	
\$75.00	25%	

Original Price	Discount	Sale Price
\$1,655.00	18%	
\$7,200.00	12%	
\$89.95	10%	

### 2. Find the Marked-up Price, rounded up to the nearest penny

Wholesale Cost	Markup	Retail Price
\$75.00	25%	
\$165.00	8%	
\$2,250.00	3%	

Wholesale Cost	Markup	Retail Price
\$8,000.00	5%	
\$4.72	75%	
\$17.50	125%	

### 3. Find the Principal Balance, after Interest earned, rounded up to the nearest penny

Original Principal Balance	Annual Interest Rate	Interest Period	New Principal Balance
\$100.00	5%	1 year	
\$250.00	4%	18 months	
\$2,250.00	3%	3 years	
\$175.00	6.5%	12 months	
\$1,200.00	4.5%	48 months	

4. You paid \$165 for a model plane that was normally \$200. What was your Discount Rate?



5. You deposited \$175 in a savings account 6 months ago. The bank now tells you that your account is worth \$180.25. What annual interest rate have you earned?

6. Before school started in the fall, Joe's Books was selling *Math Madness* textbooks for \$49.95, with a 30% discount. After school started, they put the books on sale for 70% off the sales price. Are the books now free? If not, how much would a copy of Math Madness cost you after both discounts?