

What is Discount and Mark-up?

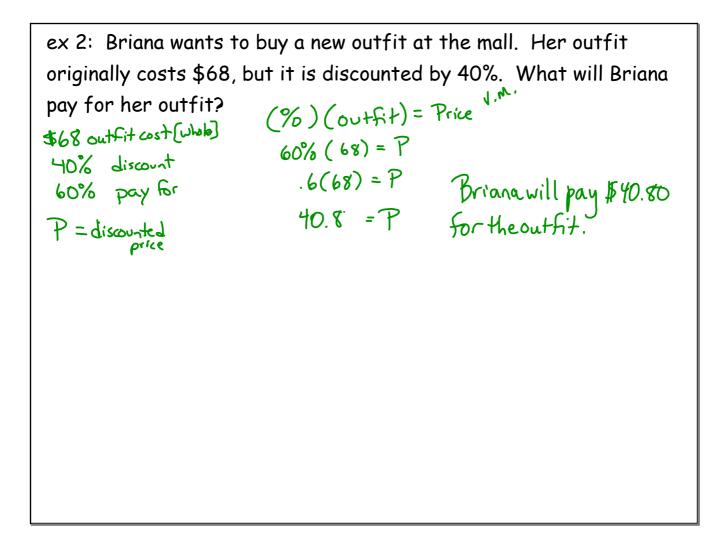
<u>Discount</u>: An amount of money taken off of the original price of an item.

<u>Mark-up</u>: An amount added to the original cost of an item.

<u>Tax or Tip</u>: An amount of money being added to the original cost of an item.

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                  Discount Word Problems:
  ex 1: A new DVD player in North Carolina costs $225 and the
  sales tax is 5%. What will the customer have to pay for the
                                                105% of item = Price
                                      $ 5% tax
                            (2.25)
  DVD player?
#225 DV Delayer total 225 100 \frac{1}{100\%} item

T = #tax (2.25) 105\% total
                           = 5
                                                  105% (225) = P
1.05(225) = P
236.25 = P
                     T=11.25
                                    P= price
total
? pay total
                                                  %(whole) = Part
tax 11.25
total 225
      $ 236.25
 The DUD polayer will cost
$236.25
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ex 3: Elena's furniture store marks up their couches 55% so they
make a profit. If Elena pays $650 for a couch, how much will they
sell it for?
\%(couch) = \sqrt{elling frice}
\Re(so couch (chule))
\Im(so couch (chu))
\Im(so couch (chu))
\Im(so couch (chule))
\Im(so couch (chule))
\Im(so
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ex 4: Erica goes to Palermos and orders lunch. Her bill came to

$12.50, but she wants to leave a 20% tip. How much will she end up

paying for lunch?

20% tip

120% (Food) = Price Paid

120% (12.5) = P

120% Pay

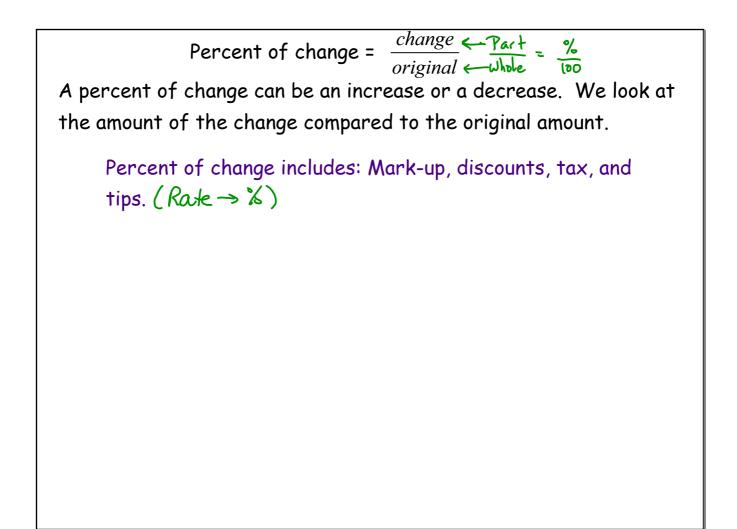
1.2(12.5) = P

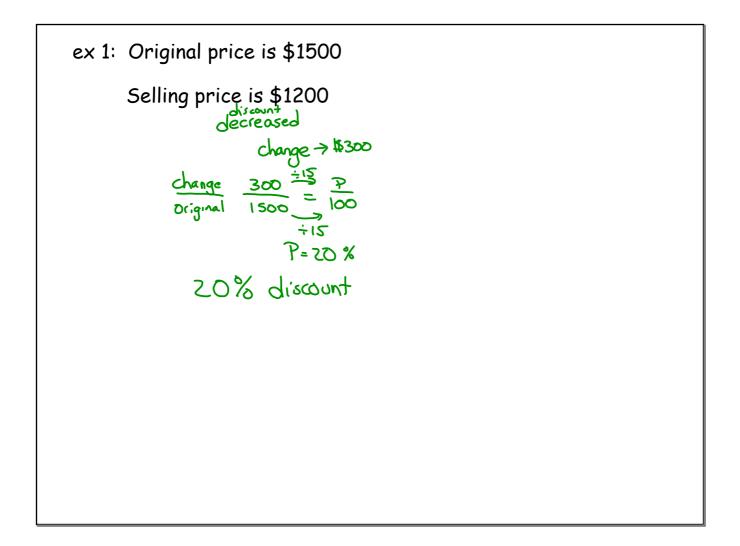
Frica will pay $15

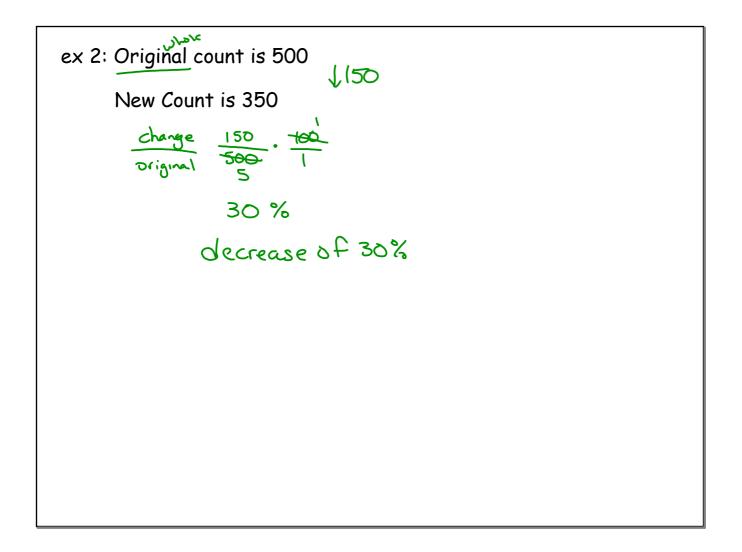
Pe price paid

15 = P

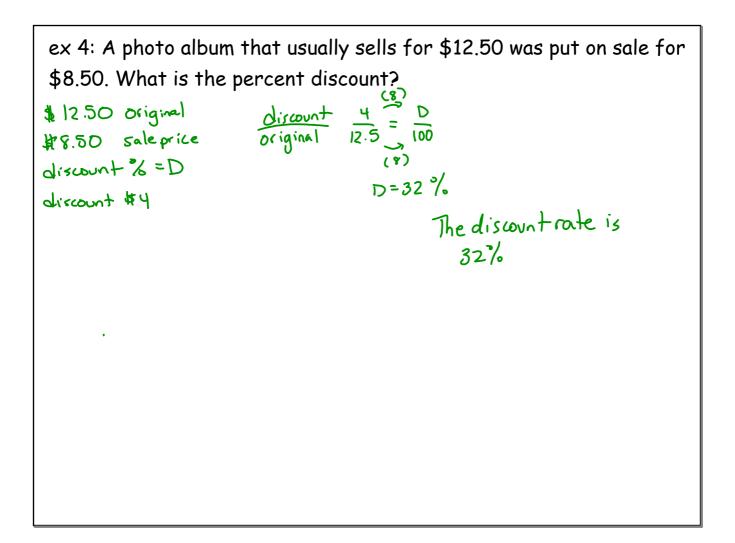
10rch $12.50
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ex 3: A tennis supply store pays a wholesaler \$90 for a tennis racquet and sells it for \$144. What is the mark-up rate? "Use the selling price  $\frac{54}{300} = \frac{M}{100}$  The mark-up rate \$144 selling price  $\frac{54}{300} = \frac{M}{100}$  The mark-up rate \$54 drage mark-up  $\frac{6}{10} = \frac{M}{100}$ M = markup %  $\frac{6}{10} = \frac{M}{100}$ 



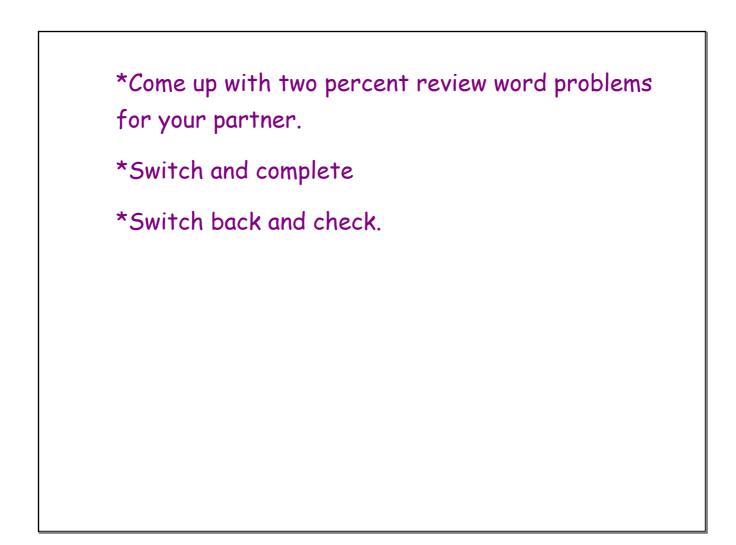
ex 5: A local dog groomer worked in 72 homes last month. If that number declined by 18 homes, what was the percent decrease?

6th Grade: Percent Review

Warm-up:

1. Madison likes to go out and eat with her friends. The total bill was \$74 and she left a 15% tip. How much will Madison pay?

2. David had \$200 in his savings account last month. This month he has \$250. By what percent did his account increase?



## 6th Grade : Percent Review

 Drew likes to go out to eat with his friends. The total bill for their food was \$125.50, but he wants to leave a 20% tip. How much will Drew pay?

2. Laura wants to buy a dress at Macys that cost \$85. The sign on the rack says 55% off. What will Laura pay for the dress? 6th Grade FM 4.2 Discount, Mark-up, Tax, Percent of Change key.notebook January 03, 2019

