

Name _____ Date _____ Period _____

Working Backwards

EQUATION: original X percent = tip, tax, or discount

1. Complete each problem below.

a. _____ x 8% = 6.40

b. 9 x _____% = 2.25

c. _____ x 30% = 27

d. 50 x _____% = 39

e. _____ x 40% = 274.8

f. 82 x _____% = 41

g. _____ x 12% = 8.16

h. 500 x _____% = 225

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2. Complete each word problem below.

a. Francine goes out to eat after buying socks. She leaves the waiter a 20% tip of \$3.50. What was the cost of her meal?

b. Chad is out buying socks and uses a 25% off discount, which saves him \$15. What was the original cost of the socks?

c. Bob (who is a fool) goes to Washington to buy socks. He has to pay a 6% sales tax. If he spends \$7.50 on taxes. What was the cost of the socks?

d. Julia goes to Target to buy socks. She has a 15% off coupon. If this coupon saves her \$2.34. What was the original cost of the socks?

e. Frank is at Walmart buying socks. They are having a 35% off sale on socks. If he saves \$12. What was the original cost of the socks?