

Name _____ Date _____ Period _____

Working Backwards

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

1. Complete each problem below.

a. _____ x 32% = 24.96

b. 89 x _____% = 18.69

c. _____ x 45% = 27

d. 520 x _____% = 390

e. _____ x 60% = 274.8

f. 62 x _____% = 31

g. _____ x 12% = 11.28

h. 934 x _____% = 59.04

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2. Complete each word problem below.

- a. Susan goes out to eat after buying socks. She leaves the waiter a 20% tip of \$2.50. What was the cost of her meal?

- b. Brad is out buying socks and uses a 30% off discount, which saves him \$15. What was the original cost of the socks?

- c. Larry (who is a fool) goes to Washington to buy socks. He has to pay a 6% sales tax. If he spends \$1.50 on taxes. What was the cost of the socks?

- d. Julia goes to Target to buy socks. She has a 10% 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 20% off sale on socks. If he saves \$12. What was the original cost of the socks?