

Multi-Step Percentage Word Problems

Solve the following multi-step word problems involving percentages.

- 1) Mary bought a pair of jeans marked at \$50. If the store is offering a discount of 20% and there is an additional 8% sales tax, how much did she pay in total?

- 2) Rachel bought a camera that was originally priced at \$200. If it is on sale for 25% off, and she has a coupon for an additional 10% off on the sale price, what is the final price she pays?

- 3) Richard's annual salary is \$45,000. If he receives a 7% hike and then a 5% deduction in his salary, what is his final in-hand salary?

- 4) The population of a town was 15,000 last year. This year it increased by 10% and then it decreased by 5% due to migration. What is the current population?

- 5) George invested \$2,000 in Stock A, which increased by 15%, and \$3,000 in Stock B, which decreased by 8%. What is the total percentage change in his overall investment? (Round your answer to one decimal place.)

Answers

- 1) Mary bought a pair of jeans marked at \$50. If the store is offering a discount of 20% and there is an additional 8% sales tax, how much did she pay in total?

\$44

- 2) Rachel bought a camera that was originally priced at \$200. If it is on sale for 25% off, and she has a coupon for an additional 10% off on the sale price, what is the final price she pays?

\$135

- 3) Richard's annual salary is \$45,000. If he receives a 7% hike and then a 5% deduction in his salary, what is his final in-hand salary?

\$47,925

- 4) The population of a town was 15,000 last year. This year it increased by 10% and then it decreased by 5% due to migration. What is the current population?

\$15,675

- 5) George invested \$2,000 in Stock A, which increased by 15%, and \$3,000 in Stock B, which decreased by 8%. What is the total percentage change in his overall investment? (Round your answer to one decimal place.)

1.2%