

Unit 4: Proportional Relationships and Percentages

PRACTICE · SET 2

Name: _____ Date: _____

Show your work and write each final answer on the line provided; round money to the nearest cent unless told otherwise.

1. A jacket costs \$80. During a sale, the price is decreased by 25%. What is the sale price in dollars?

Answer: _____

3. A \$120 bicycle has a 7% sales tax added. What is the total cost including tax, in dollars?

Answer: _____

5. You deposit \$400 in an account that pays 5% simple interest per year. How much interest do you earn in one year, in dollars?

Answer: _____

7. A phone costs \$250 before tax. With an 8% sales tax, what is the total price in dollars?

Answer: _____

9. A savings account has \$1,000 earning 4% simple interest per year. What is the balance after 2 years, in dollars?

Answer: _____

11. After a 20% discount, a book costs \$16. What was the original price in dollars?

Answer: _____

2. A restaurant bill is \$45. You leave an 18% tip. How much is the tip in dollars?

Answer: _____

4. A population of 500 fish increases by 12%. How many fish are there after the increase?

Answer: _____

6. A shirt originally priced at \$30 is marked down to \$24. What is the percent decrease?

Answer: _____

8. A meal costs \$60. You add a 15% tip and then divide the total among 3 people equally. How much does each person pay, in dollars?

Answer: _____

10. A store increases the price of a \$50 item by 30%. What is the new price in dollars?

Answer: _____

12. A \$200 TV is discounted by 15%, and then 6% sales tax is applied to the discounted price. What is the final price in dollars?

Answer: _____