

Unit 6: Percent Increase and Decrease

PRACTICE • SET 2

Name: _____ Date: _____

Solve each problem. Show your work and write your final answer in simplest form (include units or a \$ sign where appropriate).

1. A jacket originally costs \$80. Its price is increased by 15%. What is the new price in dollars?

Answer: _____

2. A video game that costs \$60 is on sale for 25% off. What is the sale price in dollars?

Answer: _____

3. A town's population grew from 400 people to 460 people. What was the percent increase?

Answer: _____

4. A \$250 bicycle's price is reduced by 40%. What is the amount of the discount in dollars?

Answer: _____

5. A shirt's price dropped from \$50 to \$38. What was the percent decrease?

Answer: _____

6. A restaurant bill is \$45. You add an 18% tip. What is the total amount paid in dollars?

Answer: _____

7. A phone costs \$500. The price increases by 8% and then a \$20 fee is added. What is the final total in dollars?

Answer: _____

8. A savings account has \$1,200 and earns 5% interest for one year. How much money is in the account after the interest is added, in dollars?

Answer: _____

9. A number increases by 20% to become 90. What was the original number?

Answer: _____

10. A laptop priced at \$800 is marked down 30%, then an additional 10% is taken off the reduced price. What is the final price in dollars?

Answer: _____

11. A pair of shoes costs \$70 before tax. A 6% sales tax is applied. What is the total cost in dollars?

Answer: _____

12. A car's value was \$18,000 and decreased by 25% over one year. What is the car's value now, in dollars?

Answer: _____