Percentage Increase and Decrease

To increase or decrease an amount by a percentage, first find the percentage of the amount, then add it to or subtract it from the original amount.

Part A: Skill Practice

1. Increase 80 by 25%.

2. Decrease 140 by 10%.

3. Increase 300 by 5%.

4. Decrease 70 by 20%.

5. Increase 90 by 50%.

6. Decrease 45 by 40%.

7. Increase 120 by 150%.

Part B: Contextual Problems

8. A pair of jeans costing $120 is on sale with a 20% discount. What is the final sale price?

9. Last year, a local gym had 500 members. This year, its membership increased by 12%. How many members does the gym have now?

10. A car was purchased for $30,000. After one year, its value depreciated by 15%. What is the car worth after one year?

11. The price of a weekly bus pass was $40. It is set to increase by 5%. What will the new price be?

12. An employee earning $70,000 per year receives a 4% pay rise. What is their new annual salary?