

Game Gains Answer Key

1. Increase, 25%
2. Decrease, 20%
3. Increase, 25%
4. Decrease, 25%
5. Increase, 20%
6. Decrease, 20%
7. Increase, 25%
8. Increase, 25%
9. Increase, 25%
10. Decrease, 15%

Teacher's Guide

- Quick implementation tips
 - o Review that percent change is found by dividing the amount of change by the original value.
 - o Discuss whether each statistic improved or declined before calculating.
 - o Remind students to round to the nearest whole percent when needed.
- Differentiation strategies
 - o Let students find the amount of change first before computing the percent.
 - o Provide a calculator for students who need computational support after setting up each problem.
 - o Challenge advanced students to write the percent change as both a decimal and a percent.
- Engagement ideas
 - o Ask students to predict whether each statistic is an increase or decrease before solving.
 - o Have pairs compare answers and explain which sport showed the greatest improvement or decline.
- Extension activities
 - o Students create three new sports statistics with original and new values for a partner to solve.
 - o Ask students to find real sports statistics from two games and calculate the percent change for one category.