

Name: _____

PERCENT CHANGE WORD PROBLEMS



Directions: Solve each word problem. Round your answer to the nearest tenth of a percent when applicable.

- 1.) On Friday, Nikki spent 76 minutes playing video games. On Saturday, she spent 109 minutes playing video games. What was the percent change in the amount of time she spent gaming from Friday to Saturday?
- 2.) Lukas sold 50 of the 86 video games in his collection. What was the percent change in the number of games in his collection after making the sale?
- 3.) Troy works at the video game store for \$12.00 an hour. If his hourly pay was increased to \$13.75 per hour, what was the percent change?
- 4.) A multi-player video game has 39 different characters to choose from. After installing an expansion pack, the game now has 50 different characters to choose from. What was the percent change in playable characters after installing the expansion pack.
- 5.) A popular racing video game debuted at a cost of \$59.00. After three months, the price was reduced to \$36.00. What was the percent change in the price of the game?
- 6.) At October 1st, Jimmy's gaming channel had 23,500 live views. On October 2nd, Jimmy's gaming channel had 31,900 live views. What was the percent change in live views from October 1st to October 2nd?

ANSWER KEY

- 1.) 43.4% increase**
- 2.) 58.1% decrease**
- 3.) 14.6% increase**
- 4.) 28.2% increase**
- 5.) 39.0% decrease**
- 6.) 35.7% increase**