

Name: _____

PERCENT CHANGE WORD PROBLEMS



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

- 1.) On the first game of the season, Christian scored 33 points. On second game of the season, he scored 12 points. What was the percent change in the amount of points Christian scored between the first game and the second game?

- 2.) The cost of a new basketball is \$23.99. If a store is selling a new basketball on sale for the price of \$19.99, what is the percent change?

- 3.) Last season, a basketball referee was paid \$110 per game. This season, the pay per game for a referee was increased to \$135 per game. What was the percent change in pay between last season and this season?

- 4.) The number of students who tried out for the basketball team last season was 83. This season, 152 students tried out for the basketball team. What was the percent change in the number of students who tried out for the basketball team?

- 5.) Last season, the Westville Jaguars Basketball team won 42 total games. This season, the Westville Jaguars Basketball team won only 19 total games. What was the percent change in games won between last season and this season?

- 6.) Last season, the price of a custom basketball jersey at Ron's Sports Shop was \$39.99. This season, the price of a custom jersey was raised to \$99.99. What was the percent change in the price of a custom jersey?

ANSWER KEY

- 1.) 63.6% decrease**
- 2.) 16.7% decrease**
- 3.) 22.7% increase**
- 4.) 83.1% increase**
- 5.) 54.8% decrease**
- 6.) 150% increase**