

Name: _____

Date: _____

QUIZ – PERCENTAGES

1. (30%) Johann scored 80 on a test. Paul scored 5% more than Johann.
 - a. (20%) Write an expression to express Paul's grade.
 - b. (10%) Find Paul's score.

2. (20%) State the multiplier in the following cases:
 - a. (5%) Increase an amount by 1%. Multiplier = _____
 - b. (5%) Decrease an amount by 2%. Multiplier = _____
 - c. (5%) Increase an amount by 10%. Multiplier = _____
 - d. (5%) Decrease an amount 27%. Multiplier = _____

3. (20%) The cost of a shirt increases by 10% and later decreases by 30%, what is the overall change in percent of the price of the shirt?

4. (30%) Carol paid 400\$ for a car and sold it a few years later for 300\$
 - a. (10%) Write an equation to represent this information using the multiplier.
 - b. (10%) Find the multiplier (Give it as a fraction).
 - c. (5%) Perform the division (of the fraction) and find the multiplier with 2 decimals.
 - d. (5%) State the lost of Carol in percentage.