

Math 310 - Dr. Miller - Activity #8: Percent Increase/Decrease

Show your scratch work, and round all answers to the nearest tenth of a percent.

1. Ian's weight increased from 32.5 pounds last summer to 38.2 pounds this summer. What percent increase did he experience?

Complete this sentence about Ian, circling the correct choice of (more? less?):

He weighs _____ percent (more?less?) this year than he did last year.

2. Kelly's car insurance premiums dropped from \$815.22 per year to just \$697.85 per year when she turned 25. What percent did the premiums drop by?

Complete this sentence about Kelly, circling the correct choice of (more? less?):

Her premiums became _____ percent (more?less?) when she turned 25.

3. In the US, 1 gallon of gasoline cost an average of \$2.60 in 2019. Compared to an average cost of \$2.14 per gallon in 2016, was this an increase or a decrease, and by what percent?

Complete this sentence about the situation, circling the correct choice of (increased? decreased?):

Gas costs (increased?decreased?) by _____ percent.