Name: $\qquad$ Units: $\qquad$ Date: $\qquad$ $6^{\text {th }}$ Grade CCA Unit 5: Ratios and Proportions Study Guide

Directions: Carefully read and follow the directions for each section. Remember to SHOW YOUR WORK and write your answers on the lines provided.




Answer Key

| 1.) 60 mph | 2.) 32 mpg ( $\mathrm{mi} / \mathrm{gal}$ ) |  | 3a.) 3:7 <br> 3b.) $7: 10$ |  | 4.) 5 servings per package |
| :---: | :---: | :---: | :---: | :---: | :---: |
| 5.) yes-cross products are equal | 6.) No-not the same unit rate |  | 7.) $x=21.25$ |  | 8.) 2 cups of sugar |
| 9.) 9 cups white milk <br> 15 cups chocolate milk |  | 10.)$x=6.875$ |  | 11.) $x=16$ | 12a.) constant $=13$ <br> Equation: $y=13 x$ |
| 12b.) yes-there is a constant rate of change (slope of 13) |  | 13a.) you: 50 friend: 30 |  |  | b.) you are traveling 20 faster than your iend |
| 14.) yes-there is a constant rate of change (unit rate is 2.5 ) and it passes through $(0,0)$ |  |  |  |  | no-the graph does not hrough $(0,0)$ |

