

Beverly Hills High School -- Algebra A -- Quiz #4 -- Chapter 2 -- 50 points

1) Solve this proportion:

$$\frac{35}{x} = \frac{455}{52}$$

2) The new 2016 Tesla normally sells for \$88,500. The dealer will give you a 15.5% discount. What is the sale price?

3) Convert 37.5 L/sec to gallons/hr.

4) The sophomore class is taking a trip to Magic Mtn. They receive a special deal where for every 7 tickets they purchased they received one free one. If seven tickets cost \$192.50, and they spent a total of \$8085, how many tickets did they receive?

5) 546 is 65% of what?

6) The price of silver bullion rose from \$4.50 per ounce to \$51.00 per ounce in 1980. What was the percentage increase in the price of silver?

7) What are the odds of rolling a total of five on one roll of two six-sided dice?

8) Solve this proportion:

$$\frac{2t - 1}{3} = \frac{t + 2}{2}$$

9) You buy THREE pair of jeans. They are normally \$32 each, but you get a 15% discount when you buy three. When you get to the register, they charge 9.5% tax? What is your total cost out the door?

10) What was the main point of the dice-throwing lab?
