

Name _____

Homework # _____

Review for Quiz _____ Quarter _____

1. Mrs. Maines ordered the types of muffins below for a class party.

- 12 blueberry muffins for \$7.20
- 8 chocolate muffins for \$4.40
- 6 raisin muffins for \$4.50

Which type of muffin costs the least? Show your work.

_____ muffins

2. What Fahrenheit temperature corresponds with the highest temperature ever recorded in Antarctica, 15 degrees Celsius. (FSA!)

4. Joe has a container with a capacity of 22 quarts. He wants to express this capacity in gallons. Write a proportion to find the number of gallons of water Joe's container can hold if 4 quarts equals 1 gallon.

Proportion _____

Solve the proportion. Show work.

_____ Degrees Fahrenheit

3. Steve raised \$360 dollars in a charity walk last year. This year he raised 15% more than he did last year. How much money did he raise this year?

_____ gallons

\$ _____

5. A house originally selling for \$225,000 has been discounted to \$200,000. What is the percent of decrease in the selling price of the house?

_____ percent of decrease.

6. A shirt on sale for 20% off is \$24. What is the original cost of the shirt?

\$ _____

7. John borrowed \$17,200 from Glens Falls National Bank for a new car. After 3 years he repaid the bank \$20,760.40. How much interest did John pay on the loan?

\$ _____

For the three year loan, what was the simple annual interest rate on the loan?

8. Solve and check each equation.

$$3(x + 6) = 5x + 4$$

Check.

$$4(x + 5) - 8 = x$$

Check.

9. The low temperature for Greenwich, New York was -13 degrees Fahrenheit. What Celsius temperature corresponds with -13 degrees Fahrenheit. (FSA!)

\$ _____

_____ Degrees Celsius