Name: _____   Date: _____

Grade 7 State Test Questions

1. Ms. Macdonald earns $18.80 per hour for the first 40 hours she works in a week, She earns $1\frac{1}{2}$ times that amount per hour beyond 40 hours in a week. Last week Ms. Macdonald worked 45.5 hours. How much money did she earn?

    Show your work

    Answer $ _____

    A health insurance payment of $34.45 was **deducted** from Ms. Macdonald's earnings for the week. After the insurance deduction, payroll taxes equal to 28% of the balance were **deducted**. What was the amount that Ms. Macdonald received?

    Show your work.

    Answer $ _____

2. Mrs. Infante worked for a real estate agency. She sold a house for $175,000. The agency's fee for the sale was 4% of the sale price. Mrs. Infante received $4,725 of the agency's fee as her commission. What percent of the agency's fee did Mrs. Hamilton receive? Round your answer to the nearest tenth of a percent.

    Show you work.

    Answer _____ %

3. Mr. Zgo has only $42.50 to spend at a clothing store. He wants to buy a shit cost $29, including tax, and some bracelets that cost $4.50 each, including tax.

   Write an equation to determine x, the maximum number of bracelets Mr. Zgo could buy.

   Equation _____

   Solve the equation to determine the number of bracelets Mr. Zgo could buy.

   Show your work.

   Answer _____ **bracelets**

4. Mary picked $7\frac{1}{4}$ pounds of blueberries, and Kody picked $3\frac{3}{4}$ pounds of blueberries. They want to package the blueberries into $1\frac{1}{2}$ pound bags to sell at their family fruit and vegetable stand. What is the greatest number of $1\frac{1}{2}$ pound bags of blueberries that they can make?

   Show you work.

   Answer _____ bags of blueberries

5. The circumference of a circle is 11π inches.
   What is the area, in square inches, of the circle? Express your answer in terms of π .

   Show your work.

   Answer _____ **square inches**

6. Nancy sold digital cameras on her web site. She bought the camera for $65 each and included a 60% markup to get the selling price. To the nearest dollar, what was the selling price for one camera?

   Show your work.

7. Mr. Gotay's monthly bank statement showed the following deposits and withdrawals:
   -$25.20, $52.75, -$22.04, -$8.50, $94.11

   If Mr. Gotay's balance in the account was $47.86 at the beginning of the month, what was the account balance at the end of the month?

   Show your work.

   Answer $ _____