Graph #6

6-1 MINI-SCHOOL

NAME: ________________________________

Early Check: October 15, 2010
Due Date: October 22, 2010

1. There are 8393 people at the football game. There are 5423 people sitting on the home team’s side of the stadium. About how many people are sitting on the visiting team’s side?

2. You stack boxes so they are 7 high, 7 wide and 7 long. How many boxes do you stack?

3. Jane placed 846 photographs into 12 albums. She put about the same number of photographs in each album. Estimate the number of photographs Jane placed in each album.

4. Write the number as a decimal:
Eighty-six and one hundred forty-three ten-thousandths

5. Solve: $3.31 + 6.3 + 9.49 + 4.72 = $

6. **Multiple Choice:** Which equation below represents the commutative property?
   A. $3 + (4 + 6) = 3 + (6 + 2 + 2)$
   B. $3 \times 4 \times 6 = 3 \times 6 \times 4$
   C. $3 + (4 + 6) = (3 + 4) + 6$
   D. $3(4 + 6) = 3 \times 4 + 3 \times 6$

7. The price of one nail is $.01. If the price for a whole box of nails is $36.80, how many nails does the box contain?

8. Solve: $6.56 \div .4 = $Show Work!

9. Find the prime factorization of 72. **Hint: factor tree** $=$Show Work!

10. Danielle had $33.58. She spent $19.99 of his money on art supplies. How much money should Danielle have left?

11. Round to the thousandths: 1.9999

12. Write as a decimal, round to the nearest hundredth if necessary.
   a. $5/6$
   b. $1/8$
   c. $5/16$

13. **Multiple Choice:** Ivan had $28.50 saved for gardening supplies. He spent $13.75 for plants and $6.99 for plant food. He wants to spend $15.99 on flower bulbs. Based on the amount he has left, how much more money will he need?
   A. $7.76  
   B. $8.23  
   C. $20.74  
   D. $23.75

14. Order the numbers least to greatest. **Hint: change the fractions to a decimal.**
   $7/2, 2 \frac{1}{3}, 3$

15. Write as a decimal and as a fraction or mixed number.
   A. nine-tenths
   B. fifty-three hundredths

16. Solve: $(3^2 + 12) + (4^2 \times 2^2)$ **Show Work!**

17. The cheerleaders sold school pennants for $2.50 each. How much money did they raise if they sold 240 pennants? **Show Work!**

18. Solve: $3.201 \times .03 = $Show Work!

19. A car travels about 27.5 miles on a gallon of gas. **About** how far can the car travel on 8 gallons of gas?

20. Order from the least to greatest:
   2.94, 2.904, 2.844, 2.899, 2.894