

Name: _____

Date: 12/11/2002

Class: 7- _____

Math Test #1

Questions 1 – 4: Evaluate. Show work.

1) $42.3 + 0.81 =$

2) $5.86 - 1.51 =$

3) $5.08 \times 0.19 =$

4) $50 \div 2.5 =$

Questions 5 – 7: Solve. Show work.

5) Prince Fusel took his three wives' Volkswagens to the gas station. The first car held 3.6 liters, the second car held 9.4 liters, and the third car held 4.9 liters. If the gas costs \$1.25 per liter, how much did the Prince pay for the gas?

6) A lion harness repairman charges \$14.75 an hour to repair a harness and \$105.50 an hour to fit it on the lion. If he spent 2 hours repairing the harness and 5 hours fitting it on the lion, how much was the bill?

7) A furniture company offers to subtract \$333.33 from all sales over \$2000.00. If a customer buys a dining room table priced at \$795.42 and a hutch priced at \$1235.67, what will he have to pay for the furniture?

Questions 8 – 10: Complete the table.

	Fraction	Decimal	Percent
8)	$\frac{2}{8}$		
9)		1.0	
10)	$\frac{25}{75}$		

Questions 11 – 15: Solve. Show work.

11) Food prices are expected to rise 4.7% in the next year. If this happens, how much will a basket of groceries that costs \$125 today cost in one year's time?

12) Out of a batch of 560 motherboards, 14 failed to pass inspection. What percentage failed to pass inspection?

13) Some people claim that the ideal ratio for a triple jump (hop:step:jump) is: 10:9:8. If the current world record of 18.29 meters, set on August 7 1995 by Johnathan Edwards from England, had this ratio, how long was each of the parts?

14) Shelley bought a dress on 40% discount, and saved a massive \$60. How much did the dress cost originally? How much did she pay for it?

15) A steel bridge expanded in length by 4 cm on a hot day. If steel expands by 0.011% on a hot day, what is the length of the bridge?

Questions 16 – 22: Evaluate. Show work.

16) Find 95% of 200.

17) Find 0.6% of 5000.

18) Find 400% of 7.

19) 3 c = _____ fl oz

20) 72 oz = _____ lb

Questions 21 – 24: Solve. Show work.

21) An evil witch cast a spell on a bat. The bat changed into a spider. It is now only 11 millimeters long! When it was a bat, it was thirty-one centimeters long. How much smaller is it now as a spider than its length as a bat?

22) The weight of the candy that Dylan collected was six thousand, seven hundred eighty-eight grams more than the weight of the candy that Cody collected. Cody collected two and one hundred thirty-three thousandths kilograms of candy. How much candy did Dylan collect?

23) John drinks 200 mL of coffee everyday. How many liters will he drink in 12 weeks?

24) There are 20.5 liters of water in a container. Jennifer removed 70% of the water. How many liters of water are left in the container?

25) Determine if the following figure is simple and/or closed. Is it a polygon?

