Name: _____

(This shows my own thinking.)

★★★ 1. Coach LeBeau ordered jerseys for his soccer team. The company
he is ordering from is having a 25% off sale. Coach will receive
another 8% off because of the size of the order and another 5% off
for paying cash. The discounts are taken one after the other. If
Coach LeBeau paid $210.85, what was the original price before
the discounts?

Answer: _____

★ 2. Find this product: $2.658 \times {}^-217.95 \times \frac{758}{1395} \times 0 \times 1.5094 \times {}^-13\frac{2}{3}$.

Answer : _____

★★★★ 3. Suppose that your favorite uncle put $1,000 in the bank
for you the day you were born. The bank account draws
10% simple interest at the end of each year. The interest
earned is added back into the account. Use a calculator to
find out how much you would have:

a. at age 5
b. at age 10
c. at age 15
d. at age 21, when you can remove it

Answers: (a) _____ (b) _____ (c) _____ (d) _____

★★★ 4. Ann's and Joan's birthdays were approaching, so Harry, Pam, Beth, and Andy wanted to
treat them to lunch as a gift. They both agreed to go, but Ann wanted to chip in her fair
share to help buy Joan's meal, and Joan wanted to do likewise for Ann's meal. If the total
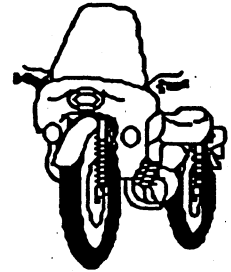came to $54, including tax and tip, what would be fair for each person to pay?

Answer :   Harry, Pam, Andy and Beth should each pay $_____
Joan and Ann should each pay $ _____.

★★★★ 5. Ben printed a flyer to encourage people to vote for him for student council. He used a "chain letter" system where each person who received the flyer agreed to copy it and give the flyer to 5 more students who had not gotten one, within an hour. He passed out the first copy to five friends at 8:00 AM. How much time had elapsed before he could be sure the whole student body of 853 students had gotten his flyer?

Answer : _____ hours

★★★ 6. Scott drove his new motorcycle to Atlanta for vacation. He traveled at 80 km per hour for 56 km, 75 km per hour for 60 km, and 92 km per hour for 46 km. What is the average rate of speed over the entire trip?

Answer: _____ km/hour

★★ 7. Find five consecutive even integers whose sum is -250.

Answer : _____

★★ 8. Try this number trick:

Take the number of people living in your house, and double it.
Add 5, then multiply the result by 10.
Subtract 50.
Divide by twice as many people as live in your house.

Write your answer here: _____

★★★ 9. Nikita earns $4.50 an hour for her first 40 hours each week, and "time and a half" for every hour beyond 40. She worked 46 hours the week between Christmas and New Year's. How much money did she make?

Answer: _____