Name: _____

(This shows my own thinking.)

★★ 1. The Drew Elementary School softball team needs bats and
      mitts for their team. If bats cost $12 and mitts cost $15,
      what is the greatest number of items they can buy for $200 if
      they buy at least one of each?

      Answer: _____

```
| SALE!          |
| Bats ..... $12 |
| Mitts .... $15 |
```

★★★ 2. The numerator and denominator of a fraction are single digits which total 13. When you divide the
      numerator by the denominator, the answer is 0.86 rounded to the nearest hundredth. What is the
      fraction?

      Answer:_____

★★★ 3. Use the menu to answer the questions.

Hamburger	$1.49	Hot Dog	$1.25
	Small	Large	
Fries	$.75	$.95	
Cola	.79	.99	
Shake	1.25	1.75	

a. If you buy a hamburger, small fries, and small cola, what will your bill be after adding the 7%
   sales tax? (Remember, stores will round any part of a cent *up*!)

   Answer : _____

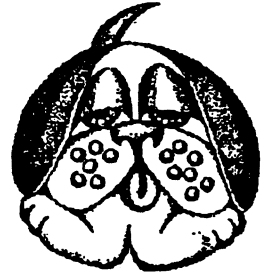b. If you give your server $5.00, how much change will you receive?

   Answer : _____

c. If you had $2, what combinations of food would you be able to buy with no items the same, if
   your friend agrees to pay the tax for you?

   Answer : _____

   _____

★ 4. Elvira was solving a complicated math problem. In her last step she divided by 5 and got the answer 13. Then she realized she should have multiplied by 5 instead of dividing by 5. What should her answer really have been? _____

★★★ 5. Mason was told by the vet to keep up with the weight of his 6 pups, which all looked alike. He weighed them by putting them all in a wooden box and weighing them together -- the scale showed 50 pounds. Then he weighed the box by itself -- it weighed 8 pounds. Answer the questions about Mason's equation for finding out how much each pup weighed.
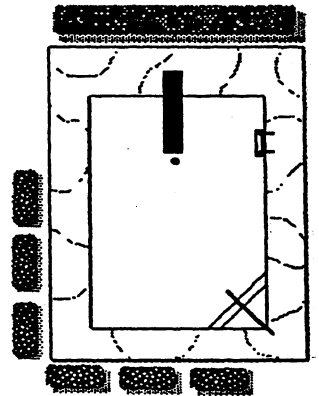

Equation: $6 \times W + 8 = 50$

a. What does W stand for in the problem? _____

b. Why is W multiplied by 6 in the equation? _____

c. What value for W solves the equation? _____

★★★ 6. Maxine's family wanted to build a pool in their backyard. The pool itself was to be 20 feet by 30 feet, and they wanted a 5-foot wide concrete border around it.

a. What are the dimensions of the whole area, pool plus concrete walk? ____ by ____

b. Before buying water sealer for the concrete walk, they need to know how many square feet of concrete they'll have to seal. How many square feet of concrete will there be? _____

★★ 7. Label the sections of the spinner R for red, B for blue, and G for green so that you will land on red one-fourth of the time, on blue half the time, and on green one-fourth the time.