SUNSHINE MATH - 6
Uranus, XIV

Name: _____

(This shows my own thinking.)

★★★ 1. Carla sold lemonade at the school fair. She had only two sizes of cups: 5 oz. and 8 oz. Her friend Josie wanted to buy exactly 2 oz. How did Carla measure out 2 oz. of lemonade?

For the correct answer, arrange these steps in proper order by writing lst, 2nd, 3rd, 4th, or 5th in the blanks beside the statements.

_____ Pour its contents into the 8 oz. cup.

_____ 2 oz. will remain in the 5 oz. cup.

_____ Fill the 5 oz. cup.

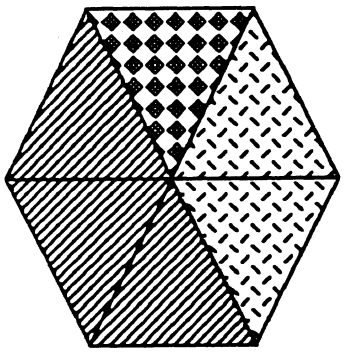
_____ Pour its contents into the 8 oz. cup until the large cup is filled.

_____ Re-fill the 5 oz. cup.

★★ 2. Alison needs to add a liquid vitamin to her horse Bobo's food. The directions on the bottle say to add 7 mL per 25 pounds of the animal body weight. If Bobo weighs 750 pounds, how much vitamin supplement should she add?

Answer: _____ mL

★★★ 3. Rounded to the nearest whole percent, what percent of the hexagon is each of the lettered parts?



A 

B 

C 

Answer: A = _____

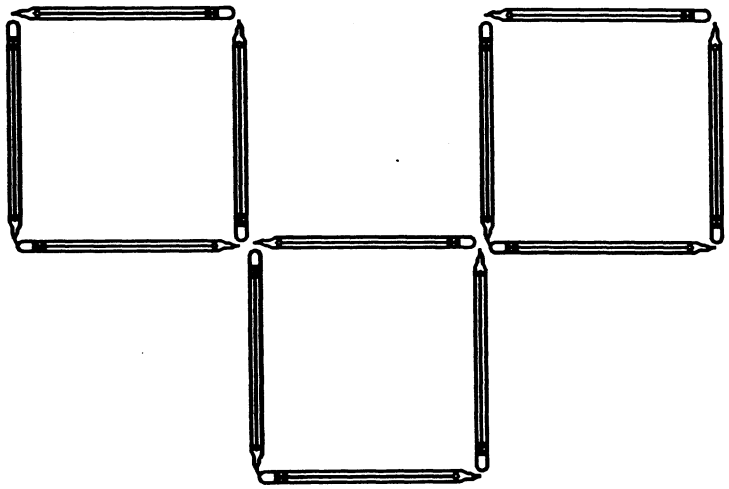
B = _____

C = _____

★★ 4. Eight girls are sitting at a table. Five are wearing sweaters, three are wearing coats, and two are wearing both sweaters and coats. How many girls are not wearing a coat or a sweater?

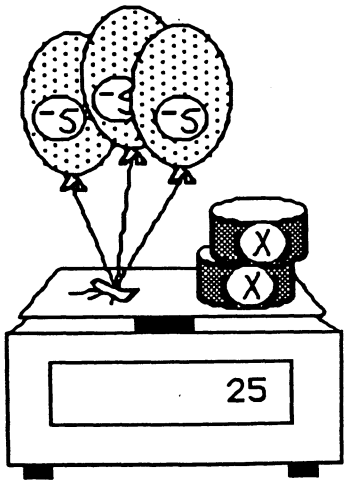
Answer: _____

★★★ 5. Three squares have been made from 12 pencils below. Show how to move only three of the pencils, and make four squares this same size.



★★★★ 6. The scale below shows three helium balloons attached to a scale, with two cans of unknown weight x. The helium balloons pull *up* on the scale, and so have a negative weight which has previously been measured as -5 because each one exactly balances a 5 gram weight. The cans push *down* on the scale and so have a positive unknown weight. Use your ingenuity to find the weight of one can.

Answer: x = _____ grams



★★ 7. One gum ball costs 2 cents. The gum balls come in six different colors. What is the most money you would need to spend to ensure you get 3 gum balls of the same color?

Answer: $_____